

1966

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*PB Sogo*

THE CALIFORNIA STATE COLLEGE  
AT  
SAN BERNARDINO

1966-67  
CATALOG

## DIRECTORY FOR CORRESPONDENCE

Inquiries by students seeking admission to the College should be addressed to:

Director of Admissions

The California State College at San Bernardino

5500 State College Parkway

San Bernardino, California 92407

Other inquiries should be addressed to the offices listed below, at the same post office address as above.

### General Information Concerning

the College .....	Office of the Dean of Faculty
Financial Aid .....	Office of The Dean of Students
Housing .....	Office of The Dean of Students
Student Bills and fees .....	Office of the Bursar
Transcripts of records .....	Office of the Registrar
Veterans .....	Office of The Dean of Students
Vocational Placement .....	Office of The Dean of Students

*P B Sogo*

GENERAL CATALOG  
OF  
THE CALIFORNIA STATE COLLEGE  
AT  
SAN BERNARDINO

SAN BERNARDINO, CALIFORNIA 92407  
Telephone: 714 887-6311



*Fall, Winter, and Spring Quarters 1966-67*

NOTE: ALL ANNOUNCEMENTS HEREIN ARE SUBJECT TO REVISION  
WITHOUT PREVIOUS NOTICE

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# COLLEGE CALENDAR 1966-67

## FALL TERM

September 15	Last day to file application for admission or readmission to the College for the fall term
September 19	Beginning of academic year
September 22-23	Orientation and testing for new students
September 26	Advisement and registration for returning students
September 27	Advisement and registration for new students
September 28	Classes begin
	Late registration
October 6	Last day to add classes
October 12	Columbus Day—Academic and Administrative Holiday
October 13	Last day to withdraw from classes without penalty for unsatisfactory work
November 11	Veterans Day—Academic and Administrative Holiday
November 24	Thanksgiving Day—Administrative Holiday
November 24-25	Thanksgiving Recess—Academic Holiday
November 28-December 2	Pre-registration for winter term
December 13	Last day of classes
December 14-16	Final examinations

## WINTER TERM

December 15	Last day to file application for admission or readmission to the College for the winter term
January 2	Administrative Holiday
January 3	Registration for new and returning students who did not pre-register
January 4	Classes begin
	Late registration
January 12	Last day to add classes
January 19	Last day to withdraw from classes without penalty for unsatisfactory work
February 1	Last day to file Graduation Requirement Check for June or July graduation
February 13	Lincoln's Birthday—Academic and Administrative Holiday
February 22	Washington's Birthday—Administrative Holiday
March 6-10	Pre-registration for spring term
March 14	Last day of classes
March 15-17	Final examinations

## SPRING TERM

March 15	Last day to file application for admission or readmission to the College for the spring term
March 27	Registration for new and returning students who did not pre-register
March 28	Classes begin
	Late registration
April 6	Last day to add classes
April 13	Last day to withdraw from classes without penalty for unsatisfactory work
May 30	Memorial Day—Academic and Administrative Holiday
May 31-June 2	Pre-registration for summer session
June 1	Last day to file Graduation Requirement Check for December graduation
June 6	Last day of classes
June 7-9	Final examinations
June 10	Commencement

## SUMMER SESSION

June 1	Last day to file application for admission or readmission to the College for the summer term
June 19	Registration for new and returning students who did not pre-register
June 20	Classes begin
	Late registration
June 23	Last day to add classes
June 28	Last day to withdraw from classes without penalty for unsatisfactory work
July 4	Independence Day—Academic and Administrative Holiday
July 10-14	Pre-registration for fall term, continuing and returning students
July 27	Last day of classes
July 28	Final examinations

1966

JANUARY

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# TRUSTEES OF THE CALIFORNIA STATE COLLEGES

## EX OFFICIO TRUSTEES

Edmund G. Brown, LL.B.	State Capitol, Sacramento 95814
<i>Governor of California and President of the Trustees</i>	
Glenn M. Anderson, A.B.	State Capitol, Sacramento 95814
<i>Lieutenant Governor of California</i>	
Jesse M. Unruh, B.A.	State Capitol, Sacramento 95814
<i>Speaker of the Assembly</i>	
Max Rafferty, A.B., M.A., Ed.D.	721 Capitol Avenue, Sacramento 95814
<i>State Superintendent of Public Instruction</i>	
Glenn S. Dumke, A.B., M.A., Ph.D., LL.D., L.H.D.	5670 Wilshire Blvd., Los Angeles 90054
<i>Chancellor of the California State Colleges</i>	

## APPOINTED TRUSTEES

Appointments are for a term of eight years expiring March 1 on dates in parentheses. Names are listed in order of accession to the Board.

Louis H. Heilbron, A.B., LL.B., LL.D. (1969)	14 Montgomery St., San Francisco 94104
Donald M. Hart, B.A. (1968)	2230 Pine St., Bakersfield 93302
Charles Luckman, LL.D., A.F.D. (1966)	9220 Sunset Blvd., Los Angeles 90046
Paul Spencer, B.A. (1969)	P.O. Box 145, San Dimas 91773
Theodore Meriam, A.B. (1971)	P.O. Box 370, Chico 95927
Albert J. Ruffo, LL.B., B.S. in E.E. (1971)	1680 Hedding St., San Jose 95113
Mrs. Philip Conley, B.A. (1972)	3729 Huntington Blvd., Fresno 93702
E. Guy Warren, B.A. (1973)	P.O. Box 59, Hayward 94541
Daniel H. Ridder, B.A. (1967)	604 Pine St., Long Beach 90801
George D. Hart, A.B. (1967)	111 Sutter St., San Francisco 94104
Gregson E. Bautzer, B.A., LL.B. (1968)	190 N. Canon Dr., Beverly Hills 90210
Simon Ramo, B.S., Ph.D. (1972)	8433 Fallbrook Ave., Canoga Park 91304
James F. Thacher, A.B., LL.B. (1970)	310 Sansome St., San Francisco 94104
Victor H. Palmieri, B.A., LL.B. (1970)	Janss Corp., Kirkeby Center, Wilshire at Westwood Blvd., Los Angeles 90024
Alec L. Cory, A.A., LL.B. (1973)	U.S. National Bank Building, San Diego 92101
Chester R. Bartolini (1966)	240 Golden Gate Ave., San Francisco 94102

## OFFICERS OF THE TRUSTEES

Governor Edmund G. Brown  
President

Donald M. Hart  
Vice-Chairman

Albert J. Ruffo  
Chairman

Chancellor Glenn S. Dumke  
Secretary-Treasurer

## OFFICE OF THE CHANCELLOR OF THE CALIFORNIA STATE COLLEGES

5670 Wilshire Boulevard  
Los Angeles, California 90054  
213 938-2981

Chancellor.....	Glenn S. Dumke
Executive, Vice Chancellor.....	Raymond A. Rydell
Vice Chancellor, Business Affairs.....	Harry E. Brakebill
Assistant Chancellor, Faculty and Staff Affairs.....	C. Mansel Keene

## CALIFORNIA STATE COLLEGE AT SAN BERNARDINO

### ADVISORY BOARD

James E. Cunningham, Sr., Chairman.....	San Bernardino
Mrs. Don H. (Wilma) Goodcell.....	San Bernardino
James A. Guthrie.....	San Bernardino
Leroy Hansberger.....	Redlands
Leslie I. Harris.....	San Bernardino
Hayes Hertford.....	Riverside
Henry H. Holder, M.D.....	San Bernardino
Martin Matich.....	Rialto
Earl Wilson.....	San Bernardino

## THE CALIFORNIA STATE COLLEGES

California State College at Fullerton  
800 North State College Boulevard  
Fullerton, California 92631  
Dr. William B. Langsdorf, President  
714 871-3300

California State College at Hayward  
25800 Hillary Street  
Hayward, California 94542  
Dr. Fred F. Harclerod, President  
415 538-8000

California State College at Long Beach  
6101 East Seventh Street  
Long Beach, California 90804  
Dr. Carl W. McIntosh, President  
213 433-0951

California State College at Los Angeles  
5151 State College Drive  
Los Angeles, California 90032  
Dr. John A. Greenlee, Acting  
President  
213 225-1631

California State College at Palos Verdes  
27608 Silver Spur Road, Suite 200  
Palos Verdes Peninsula, California  
90274  
Dr. Leo F. Cain, President  
213 377-6837

California State College at  
San Bernardino  
5500 State College Parkway  
San Bernardino, California 92407  
Dr. John M. Pfau, President  
714 887-6311

California State Polytechnic College  
San Luis Obispo, California 93402  
805 546-0111  
Kellogg-Voorhis Campus  
Pomona, California 91766  
714 595-1241  
Dr. Julian A. McPhee, President

Chico State College  
First and Normal Streets  
Chico, California 95927  
Dr. Glenn Kendall, President  
916 343-4411

Fresno State College  
Shaw and Cedar Avenues  
Fresno, California 93726  
Dr. Frederic W. Ness, President  
209 222-5161

Humboldt State College  
Arcata, California 95521  
Dr. Cornelius H. Siemens, President  
707 822-1771

Sacramento State College  
6000 Jay Street  
Sacramento, California 95819  
Dr. Stephen L. Walker, Acting  
President  
916 452-3252

San Diego State College  
5402 College Avenue  
San Diego, California 92115  
Dr. Malcolm A. Love, President  
714 286-5000

San Fernando Valley State College  
18111 Nordhoff Street  
Northridge, California 91326  
Dr. Ralph Prator, President  
213 349-1200

San Francisco State College  
1600 Holloway Avenue  
San Francisco, California 94132  
Dr. Stanley Paulson, Acting  
President  
415 584-2300

San Jose State College  
125 South Seventh Street  
San Jose, California 95114  
Dr. Robert D. Clark, President  
408 294-6414

Sonoma State College  
265 College View Drive  
Rohnert Park, California 94928  
Dr. Ambrose R. Nichols, President  
707 545-7220

Stanislaus State College  
800 Monte Vista Avenue  
Turlock, California, 95380  
Dr. Alexander Capurso, President  
209 634-9101

## THE CALIFORNIA STATE COLLEGES

The California State Colleges are a unique development of the democratic concept of tax-supported public higher education for all qualified students.

Spanning the state from Humboldt County in the north to San Diego in the south, the 17 campuses of the California State Colleges (with another campus soon to be constructed) represent the largest system of public higher education in the Western Hemisphere and one of the largest in the world. Current enrollment exceeds 157,000 full and part-time students. The faculty and administrative staff numbers approximately 8,000.

The individual colleges, each with a geographic, curricular and academic character of its own, offer a solid basic program in the liberal arts. Beyond this, each college is noted for its individuality in academic emphasis which makes for a diversified system. Course offerings leading to the bachelor's and master's degree are designed to satisfy existing student interests and to serve the technical and professional manpower requirements of the state.

The California State Colleges are dedicated to rigorous academic standards. Constant striving for academic excellence is at the heart of the system. The primary responsibility of each faculty within the system is the instructional process on the teacher-student level, with appropriate recognition of the necessary and constructive role of research in any institution of higher education.

Responsibility for the California State Colleges is vested in the Board of Trustees, which is appointed by the Governor, and the Board's administrative arm, the Chancellor. The Trustees and the Chancellor set broad policy for the colleges while delegating considerable independent responsibility for implementation at the college level. A Statewide Academic Senate, made up of representatives elected by the faculty at each college, act as a consultative body to the Chancellor in the area of academic affairs.

Although the oldest of the colleges, San Jose State College, dates back a century, the California State College system under an independent Board of Trustees was created by the Donahoe Act of 1960. Formerly, the colleges were under the jurisdiction of the State Board of Education.

Today, the California State Colleges are in a particularly dynamic period of their development. Prior to World War II, there were seven State Colleges with a peak total enrollment of some 13,000. Since 1947, ten new colleges have been developed; one is operating in temporary quarters in southwestern Los Angeles, and another has been authorized, to be located in Kern County. Enrollment in the system is expected to reach 225,000 by 1970.

# THE CALIFORNIA STATE COLLEGE AT SAN BERNARDINO

## ADMINISTRATIVE OFFICERS OF THE COLLEGE

John M. Pfau, Ph.D.	President of the College
George McMichael, Ph.D.	Dean of Faculty
Joseph K. Thomas, Ed.D.	Executive Dean
Robert G. Fisk, Ed.D.	Dean of Students
Peter T. Marcy, Ph.D.	Associate Dean, Academic Administration
Kenton L. Monroe, Ph.D.	Associate Dean, Counseling and Testing
G. William Hume, M.A.	Associate Dean, Activities and Housing
Robert H. Ross, Ph.D.	Chairman, Humanities Division
Gerald M. Scherba, Ph.D.	Chairman, Natural Sciences Division
Robert R. Roberts, Ph.D.	Chairman, Social Sciences Division
Robert L. West, Ed.D.	Chairman, Teacher Education Department
C. Michael O'Gara, M.S.	Chairman, Physical Education Department
Arthur Nelson, M.A.	College Librarian
H. Stephen Prouty, M.S.	Director of Admissions and Records
Leonard B. Farwell, M.B.A.	Business Manager
James H. Urata, B.A.	Building Coordinator
Doyle J. Stansel, M.A.	Director, Placement and Financial Aid
Samuel M. Plaut, M.D.	Director, Student Health Services

## THE COLLEGE AND ITS ACADEMIC PROGRAM

The California State College at San Bernardino opened with programs for freshmen and juniors in the fall of 1965. In its second year (1966-67) the College will offer undergraduate programs to freshmen, sophomores, juniors, and seniors. Graduate programs will be offered after 1970.

The College has adopted a three-course, three-term academic program. Under such a program, the academic year extends from October to June and is divided into three terms of about eleven weeks each. An equivalent fourth term during the summer will be offered within a few years. The plan differs from the conventional quarter system by limiting to three the number of academic courses taken by any full-time student. In each academic year a student will take a total of nine full-term courses. Thirty-six full-term courses plus three physical education courses are required for graduation. Each full-term course is the equivalent of a conventional five quarter-hour or three and one-third semester-hour course.

Under the three/three plan, each full-term course will normally meet four times a week (laboratory and studio courses are exceptions). The student is thus in class twelve hours per week or the equivalent, instead of the traditional fifteen. Such reduction of classroom time will be balanced by increased assignment of written work and greater emphasis on independent study and independent laboratory work.

This academic program is designed to afford the student the opportunity to carry on studies in depth and in breadth, to develop abilities to work independently, and to achieve intellectual growth.

## ACCREDITATION

The California State College at San Bernardino is accredited by the Western Association of Schools and Colleges, the official accrediting body for institutions of higher learning in the West.



## THE COLLEGE LIBRARY

The Library of The California State College at San Bernardino consists of a general undergraduate collection of 55,000 volumes. In addition, the collection includes approximately 3,000 bound periodicals. The Library currently subscribes to 1,000 periodicals in addition to other serial publications.

## SUMMARY OF BACCALAUREATE DEGREE PROGRAMS AND COURSES OF INSTRUCTION \*

In the 1966-67 academic year, the College will offer Bachelor of Arts degree programs in the following fields:

Biology (for freshmen and sophomores only)

Business Administration (for freshmen only)

Chemistry (for freshmen only)

English

French

History

Mathematics

Political Science

Psychology (for freshmen only)

Sociology

Spanish

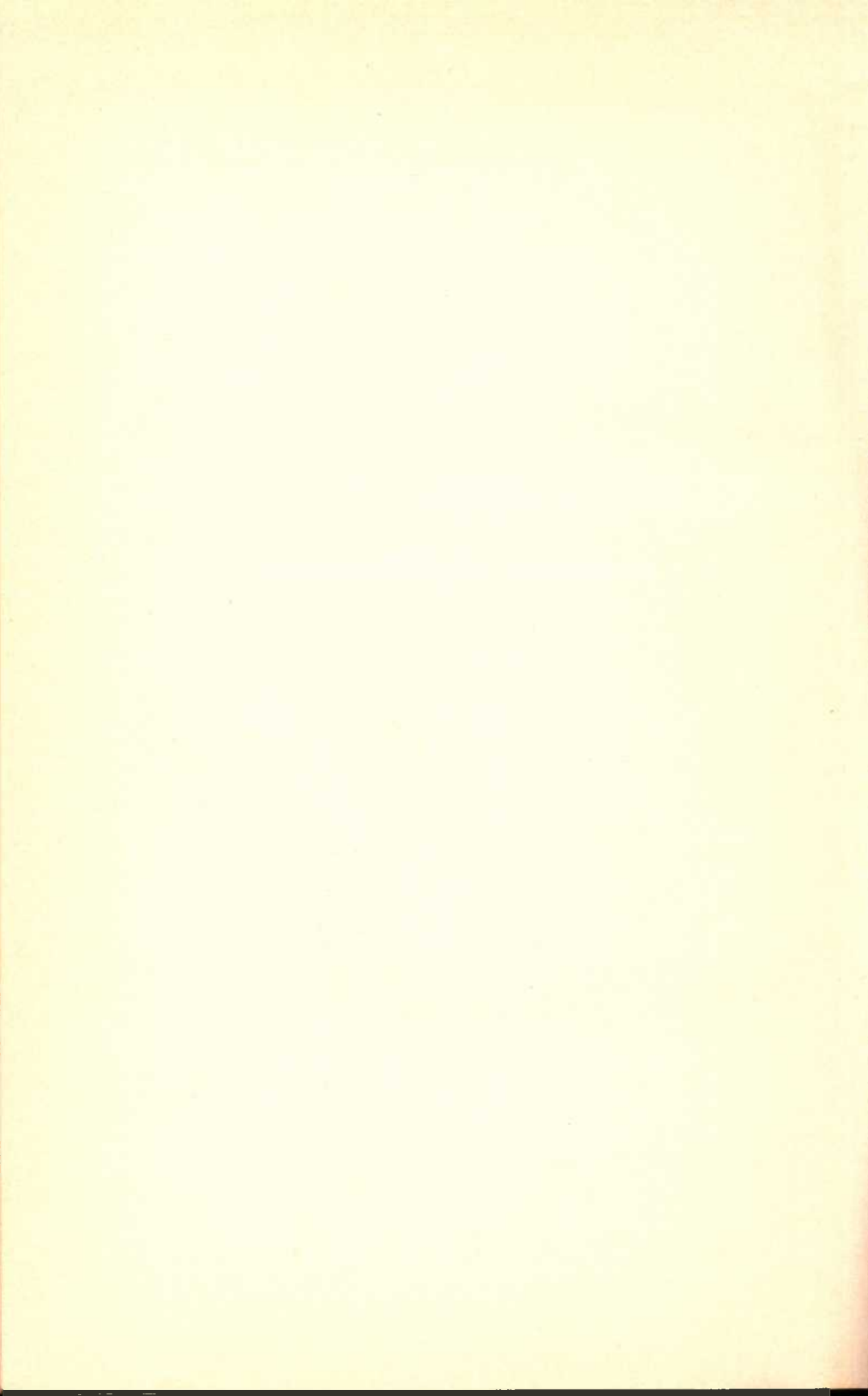
## COLLEGE FOUNDATION

The Foundation of The California State College at San Bernardino, a California non-profit corporation, was established in 1962 for the purpose of promoting and assisting the educational services of the College.

\* See page 41 and following for complete information on courses of instruction.



## ADMISSION TO THE COLLEGE



## ADMISSION TO THE COLLEGE

Requirements for admission to The California State College at San Bernardino are in accordance with Title 5, Chapter 5, Subchapter 2 of the California Administrative Code as amended by the Board of Trustees of the California State Colleges on January 21, 1965. The prospective applicant who is unsure of his status under these requirements is encouraged to consult a school or college counselor or the Office of Admissions at The California State College at San Bernardino.

## PROCEDURES FOR ADMISSION

All students, including those attending only part-time, will be required to matriculate in the following manner:

1. Submit a completed Application for Admission accompanied by the required \$5 application fee.
2. Have the high school of graduation send a transcript of record directly to The California State College at San Bernardino.
3. Have each college attended (if any) send a transcript of record directly to The California State College at San Bernardino.
4. Submit a completed Statement of Residence (forms obtainable at the Office of Admissions).
5. Submit the scores from one of the two national testing programs described below.
6. Upon receipt of your letter of admission, submit the health history and physical examination forms to the Student Health Center (forms obtainable at the Office of Admissions).

## ENTRANCE EXAMINATIONS

All new lower division students applying for admission to The California State College at San Bernardino who have attempted fewer than 60 semester units (90 quarter units) of college work are required, as part of their application, to submit scores from one of the two national testing programs: The American College Test (ACT) or the Scholastic Aptitude Test (SAT). Tests will be administered at established test centers on the dates shown below. The procedure is as follows:

1. Obtain a registration form and a Student Information Bulletin for either the ACT or SAT from your high school or junior college counselor, or from one of the addresses below, or from the Office of Admissions and Records, The California State College at San Bernardino.
2. Select the nearest test center from the list printed in the Student Information Bulletin. Send the completed registration form and the appropriate test fee to the address shown in the bulletin.
3. Take either the ACT or SAT at the center assigned on one of the following dates.



**AMERICAN COLLEGE  
TESTING PROGRAM  
(ACT)**

**Registration  
Deadline**

**July 16, 1966**  
**Sept. 17, 1966**  
**Nov. 12, 1966**  
**Jan. 21, 1967**  
**April 15, 1967**  
**July 8, 1967**

**Test Date**

**Aug. 6, 1966**  
**Oct. 15, 1966**  
**Dec. 10, 1966**  
**Feb. 18, 1967**  
**May 13, 1967**  
**Aug. 5, 1967**

**SEND REGISTRATION FORM**

**TO:**

American College Testing Program  
P. O. Box 21-4127  
Sacramento, California 95821  
Enclose \$4.00 Fee  
  
Cal State San Bernardino  
Code No. for Score Reports—0205

**SCHOLASTIC APTITUDE TEST  
(SAT) OF THE COLLEGE  
ENTRANCE EXAMINATION  
BOARD**

**Registration  
Deadline**

**June 11, 1966**  
**Oct. 8, 1966**  
**Nov. 5, 1966**  
**Dec. 17, 1966**  
**Feb. 4, 1967**  
**April 8, 1967**  
**June 10, 1967**

**Test Date**

**July 9, 1966**  
**Nov. 5, 1966**  
**Dec. 3, 1966**  
**Jan. 14, 1967**  
**March 4, 1967**  
**May 6, 1967**  
**July 8, 1967**

**SEND REGISTRATION FORM**

**TO:**

College Entrance Examination Board  
Educational Testing Service  
Box 1025  
Berkeley, California 94701  
Enclose \$4.50 Fee  
  
Cal State San Bernardino  
Code No. for Score Reports—4099

4. Request that your scores be reported to The California State College at San Bernardino.

If either the ACT or SAT has already been taken, it is not necessary to repeat it. Send \$1 to the appropriate testing agency and request that scores be reported to the Office of Admissions and Records, The California State College at San Bernardino. Use the appropriate code number when requesting such reports.

## ADMISSION AS A FRESHMAN

An applicant who has had no college work will be considered for admission under one of the following five provisions. Except as noted, submission of the result of the Scholastic Aptitude Test (SAT) or the American College Test (ACT) is required.

### Provision one: California High School Graduates and Residents

An applicant who is a graduate of a California high school or a legal resident for tuition purposes must have a grade point average and a total on the SAT or a composite on the ACT which provides an eligibility index placing him among the upper one-third of California high school graduates. The grade point average is based upon the last three years and does not include physical education or military science. The table below does not cover every case, but gives several examples of the test score needed with a given grade point average to be eligible for admission. Each applicant's eligibility will be computed by the College.

Grade Point Average	Score Needed	
	SAT	ACT
3.20 and above	Eligible with any score	
2.80	796	18
2.40	1,196	26
2.00	1,596	34
1.99 and below	Not eligible	

**Provision two: Non-Residents Graduating from High Schools in Other States or Possessions**

An applicant who is a non-resident for tuition purposes and who is a graduate of a high school in another state or a U.S. possession must have an eligibility index which would place him among the upper one-sixth of California high school graduates for 1966-67. The eligibility index is based on the grade point average and the entrance examination score. It is calculated by the College.

**Provision three: Graduates of High Schools in a Foreign Country**

An applicant who is a graduate of a foreign high school must have preparation equivalent to that required of eligible California high school graduates. The College will carefully review the previous record of all such applicants, and only those with promise of academic success equivalent to that of eligible high school graduates will be admitted. Such applicants are not required to take the SAT or the ACT.

Because of limited facilities at The California State College at San Bernardino, foreign nationals are not encouraged to apply for admission.

**Provision four: Non-High School Graduates**

An applicant who is over 21 years of age but who has not graduated from high school will be considered for admission only when his preparation in all other ways is such that the College believes his promise of academic success is equivalent to that of eligible California high school graduates.

**Provision five: Other applicants**

An applicant not admissible under one of the four above provisions should enroll in a junior college or other appropriate institution. Only under the most unusual circumstances will such applicants be permitted to enroll in the College. Permission is granted only by special action of the College.

**ADVANCED PLACEMENT FOR ENTERING STUDENTS**

The College grants advanced credit to students who have obtained a score of 3, 4, or 5 on the College Entrance Examination. For information on taking advanced placement examinations, students should consult their high school counselors or the Office of Admissions and Records of The California State College at San Bernardino.

**CLASSIFICATION IN COLLEGE**

Undergraduate students who have completed fewer than 9 full-term courses (0 to 44 quarter hours) are classified as freshmen, 9 to 18 full-term courses (45 to 89 quarter hours) as sophomores, 18 to 27 full-term courses (90 to 134 quarter hours) as juniors, and more than 27 full-term courses (135 quarter hours or more) as seniors.

**RECOMMENDED HIGH SCHOOL PREPARATION**

Overall excellence of performance in high school subjects and evidence of academic potential provide the basis for admission to The California State College at San Bernardino. While no specific course pattern is required, the applicant, to be properly prepared to undertake a full program of studies, is strongly encouraged to include the following subjects in his high school program:

1. College preparatory English.
2. Foreign language.
3. College preparatory mathematics.
4. College preparatory laboratory science.
5. College preparatory history and/or social science.
6. Study in speech, music, art, and other subjects contributing to general academic background.

## ADMISSION AS AN UNDERGRADUATE TRANSFER STUDENT

Any applicant who has attempted college work will be considered for admission under one of the following provisions (A through C below). An applicant must report all college work attempted (including extension and correspondence courses) no portion of which may be disregarded in transferring. An applicant disregarding this regulation will be subject to dismissal from the College.

### A: Applicants with 60 or More Semester Units

An applicant who has completed 60 or more semester units or the equivalent will be admitted if he has achieved a grade point average of 2.0 (C) on all college work attempted and he was in good standing at the last college attended.

### B: Applicants With Fewer Than 60 Semester Units

An applicant who has completed fewer than 60 semester units or the equivalent may be admitted if he meets the above requirements and he meets requirements currently in effect for first-time freshmen or, if he has been in full-time continuous enrollment at a college since his graduation from high school, he meets the requirements in effect for first-time freshmen at the time of his high school graduation.

### C: Junior College Credit

No unit credit will be allowed for course work taken at a junior college after the student has earned a total of 70 semester units of junior college credit. No upper division credit may be allowed for courses taken in a junior college. No credit may be allowed for professional courses in education taken in a junior college, other than an introduction to education course.

## ADMISSION ON ACADEMIC PROBATION

An applicant with advanced undergraduate standing who does not meet the requirements stated above is eligible for admission on probation, if in the opinion of the proper college authorities, he is likely to succeed in college.

Ordinarily, consideration for probationary admission is granted only to the mature applicant who, while his total college record does not meet the admission requirements, has demonstrated sufficient academic ability through college work recently completed elsewhere.

Applicants who are admitted with a grade point deficiency are given probationary status and are expected to remove the entrance deficiency during the first year at The California State College at San Bernardino. A student admitted on probationary status may be restricted by his adviser to a limited program.

## TRANSFER OF CREDIT

The Office of Admissions and Records will evaluate previous college work to determine its applicability to the requirements of The California State College at San Bernardino. All degree and credential candidates will be issued a Credit Summary, indicating which requirements remain unfilled. Once issued to a student, the Credit Summary remains valid as long as the student matriculates at the date specified, pursues the objective specified, and remains in continuous attendance. The student will not be held to additional graduation requirements unless such requirements become mandatory as a result of changes in the California Administrative Code or the California Education Code.

Credit for work completed at accredited institutions will be accepted toward the satisfaction of degree requirements at The California State College at San Bernardino within limitations of residence requirements, junior college transfer maximums, and course applicability.



## CREDIT FOR EXTENSION AND CORRESPONDENCE COURSES

The maximum amount of extension and correspondence credit which may be allowed toward the bachelor's degree is three full-term courses or 15 quarter hours.

## ADMISSION AS AN AUDITOR

Qualified persons who wish to audit courses must meet all admission requirements and must obtain a Permit to Register by presenting to the Office of Admissions and Records written authorization from the instructors of the courses to be audited. Auditors are required to pay the usual fees. Students registered as auditors may not apply for credit in such courses after the last day to add courses.

Students enrolled in classes for credit may not become auditors in such classes after the last day to drop classes.

## ADMISSION TO TEACHING CREDENTIAL PROGRAMS

Admission to the College as a student does not constitute admission to a teaching credential program. Students who intend to work toward credentials must make application to the Department of Teacher Education of the College.

## CANCELLATION OF ADMISSION

A student who is admitted to the College for a given term but who does not register in that term will have his admission cancelled. The student must file a new application form when he again seeks admission and must meet the then current admission requirements.

## READMISSION OF FORMER STUDENTS

Students in good standing may be readmitted to the College after an absence of more than one term by filing a new Application for Admission. Students who have attended another institution since their last attendance at The California State College at San Bernardino must have a transcript of record from that institution sent directly to the Office of Admissions and Records.

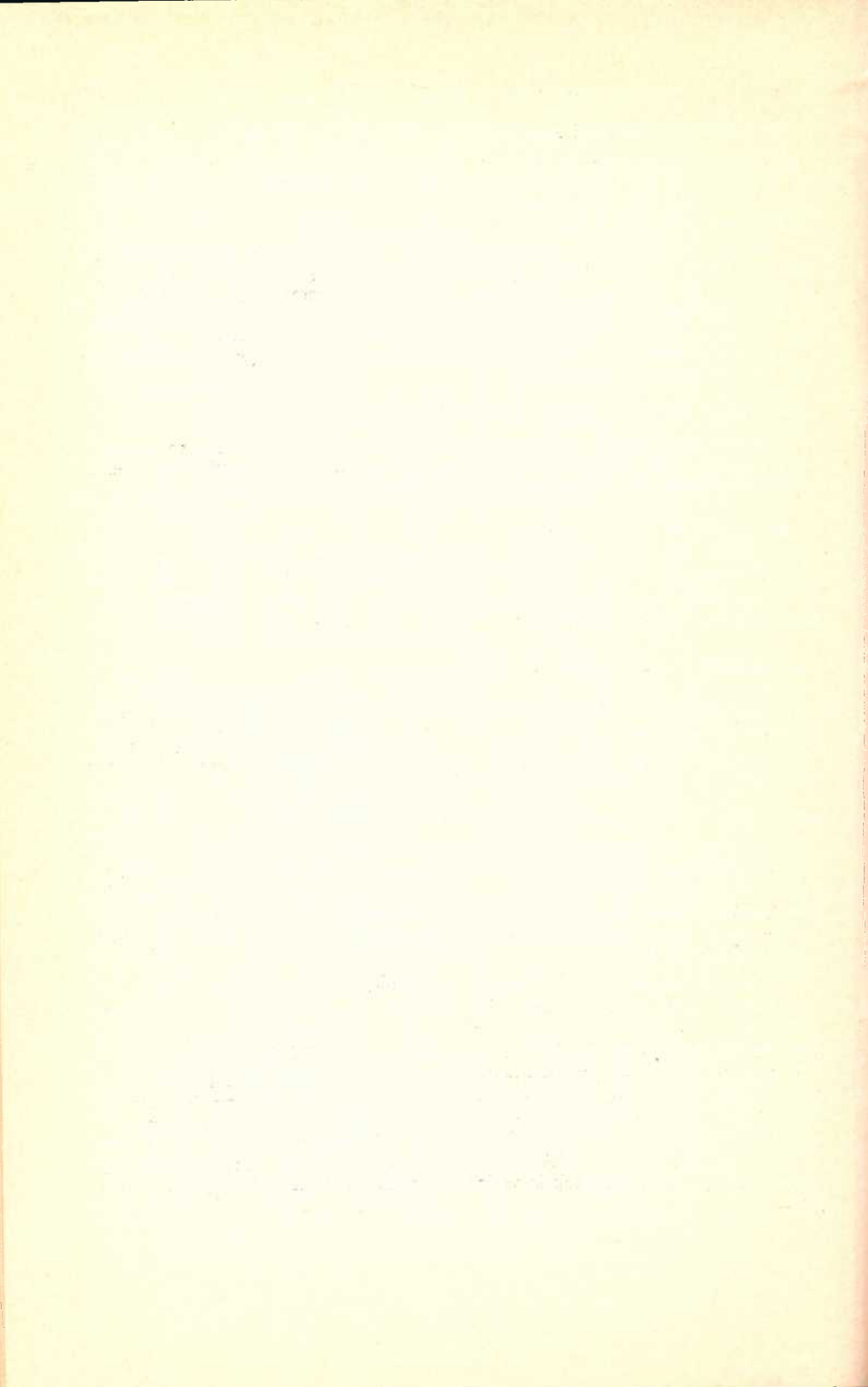
## ADMISSION OF GRADUATE STUDENTS

The College does not have a graduate program at this time. However, persons holding a baccalaureate degree who desire to enroll at this College for postgraduate study may apply for admission to the Director of Admissions of the College. In making application they must observe the procedure outlined below:

1. Submit a completed Application for Admission, accompanied by the required \$5 application fee.
2. Submit satisfactory proof of degree; e.g., college diploma.
3. Submit a completed Statement of Residence.

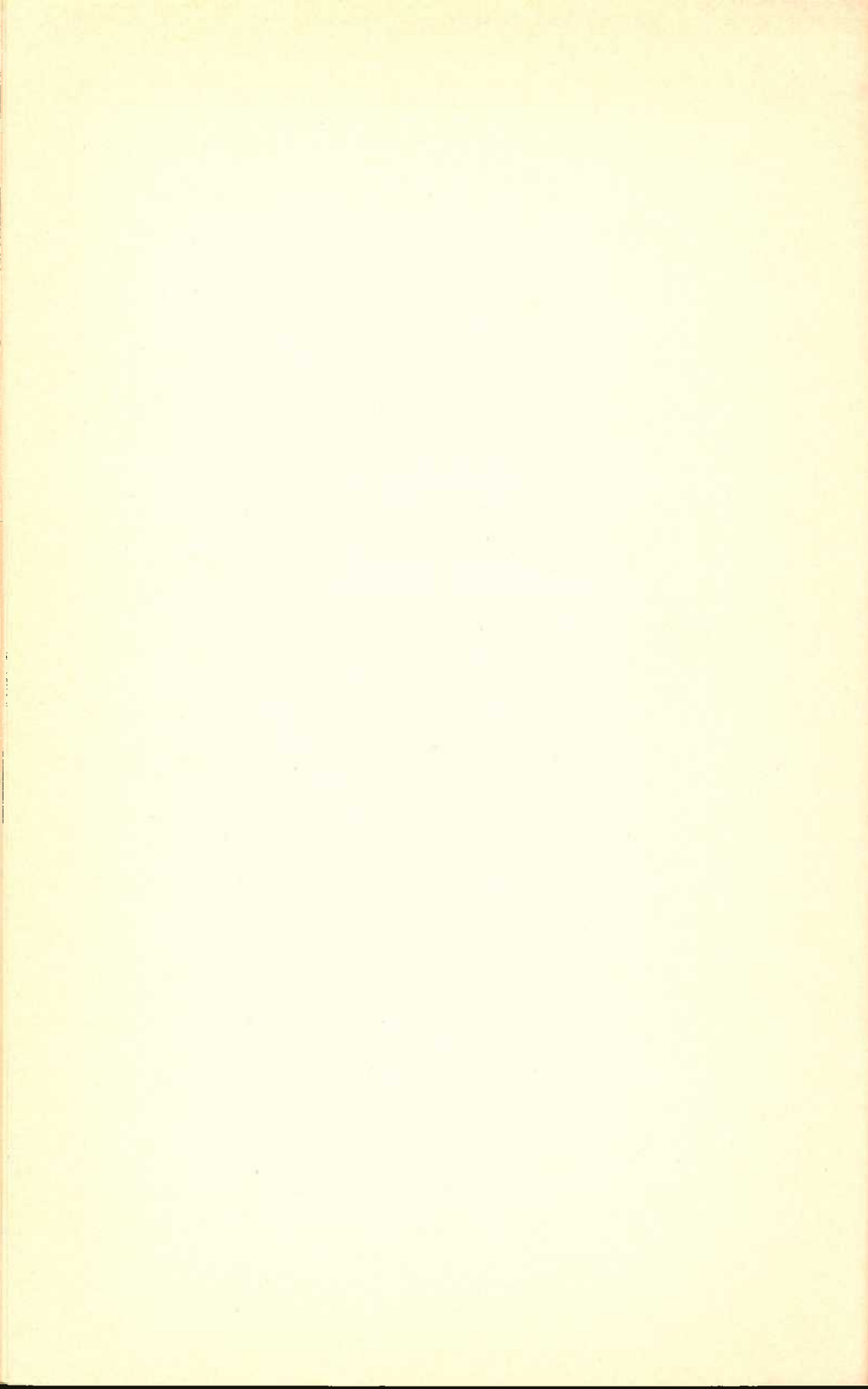
## READMISSION OF PREVIOUSLY DISQUALIFIED STUDENTS

A disqualified student will be required to remain out of college for one term following the end of the term for which he was disqualified. During that term in which he is not in attendance, the student may petition to the Admissions and Academic Standards Committee for readmission. All petitions for readmission must be submitted to the Office of Admissions and Records no later than the Monday of the week prior to the week in which registration for the following term takes place.





## **SCHEDULE OF FEES**



## SCHEDULE OF FEES

The regular fees of the College are given below. Students are required to pay registration fees at registration. The non-resident tuition fee is required of all students who have not been legal residents of the State of California for one year immediately preceding the date of enrollment. Checks will be accepted at registration only for the amount of fees due. Fees are subject to change by action of the Trustees of The California State Colleges. Tuition is not charged to legal residents of California.

### *All Students:*

Application fee (non-refundable) .....	\$ 5.00
payable by check or money order at time of applying.	
Associated Students fee (more than one full-term course) .....	6.50
(one full-term course or less) .....	3.00

### *Residents of California:*

Material and service fee (more than one full-term course) .....	25.50
(One full-term course or less) .....	13.00

Note: Tuition payable by non-residents and foreign visa students (listed below) is in addition to fees required of other students.

### *Non-Residents:*

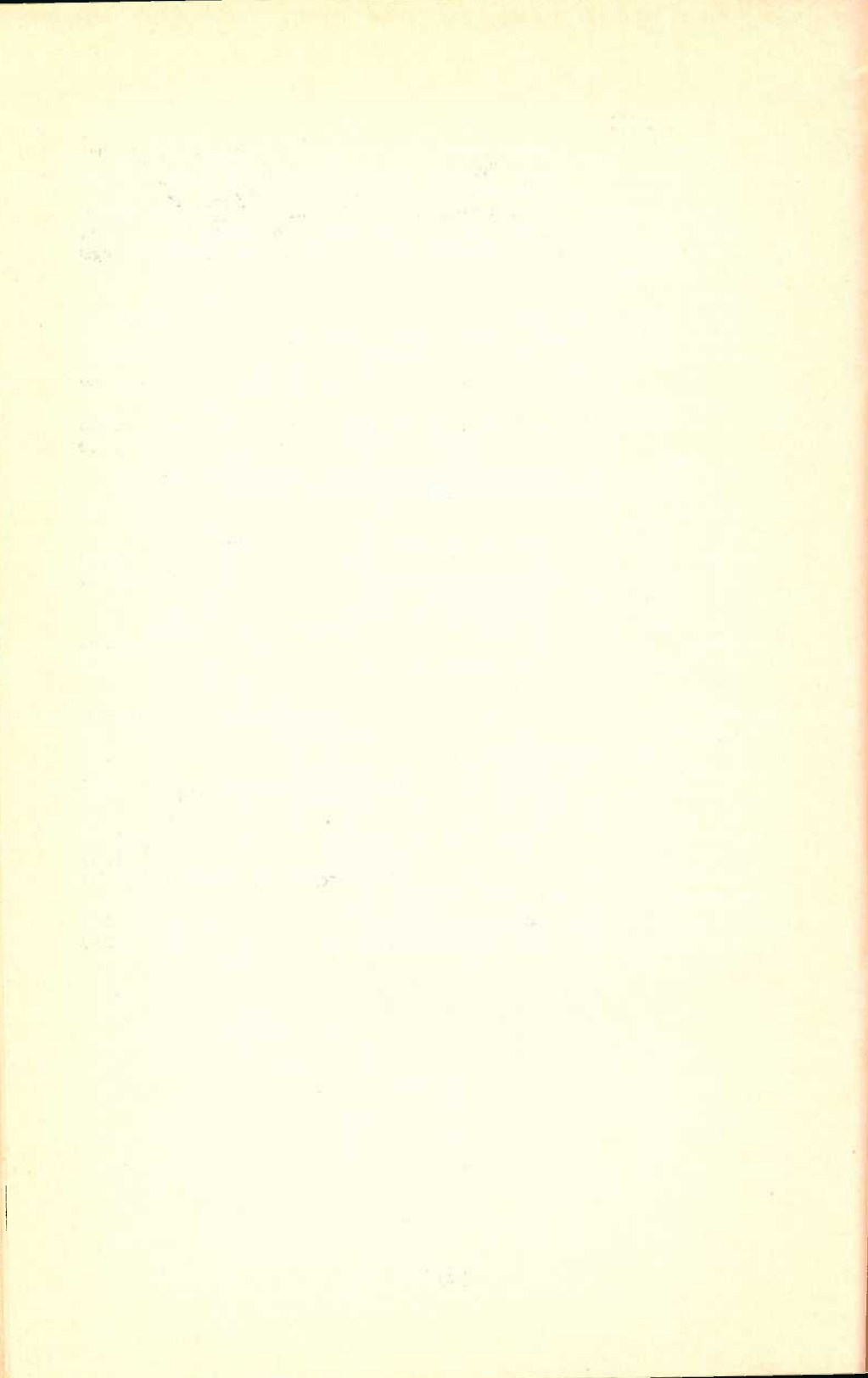
Tuition for three full-term courses or more (15 or more hours), maximum .....	200.00
Tuition for less than 15 quarter hours: per hour .....	13.50

### *Foreign Visa Students as Prescribed by Regulation:*

Tuition for three full-term courses or more (15 quarter hours or more), maximum .....	85.00
Tuition for less than 15 quarter hours: per hour .....	5.75

### *Special Fees:*

Credential Fee .....	\$ 8.00
Late registration .....	5.00
Change of program after filing date .....	1.00
Failure to meet required appointment or time limit .....	2.00
Late filing of student program or application for degree or credential .....	2.00
Parking Fees (academic year)	
Regular student .....	27.00
Limited student .....	12.00
Two-wheeled vehicle .....	25% of regular or limited student fee
Each alternate in addition to first vehicle .....	3.00
Check returned for any cause .....	2.00
Transcript of academic record (first copy free) .....	1.00



## REGISTRATION





## REGISTRATION REQUIREMENTS

Students who have been admitted to the College are required to register each term at announced times and locations. Registration is not official until fees have been paid. No student may attend classes until his registration has been completed. A number of Academic Regulations related to registration are listed below. All students should become familiar with them as well as other pertinent portions of the college catalog.

## STATEMENT OF RESIDENCE

Prior to registration each student must complete a Statement of Residence. A student in continuous attendance during successive terms is not required to file a Statement of Residence after the initial filing. Any break in attendance of more than one term does, however, require the filing of a new Statement of Residence.

## LATE REGISTRATION

The last day for late registration each term will be announced in the "Class Schedule". The "College Calendar" in the front of this catalog lists the registration dates. Late registrants will find themselves handicapped in arranging their programs and must pay a \$5.00 late registration fee.

## CHANGE OF REGISTRATION

Each student is responsible for the program of courses for which he registers. Changes may not be made thereafter without the filing of a Change of Program form in the Office of Admissions and Records. All applications for courses dropped or added incur a \$1.00 Change of Program fee.

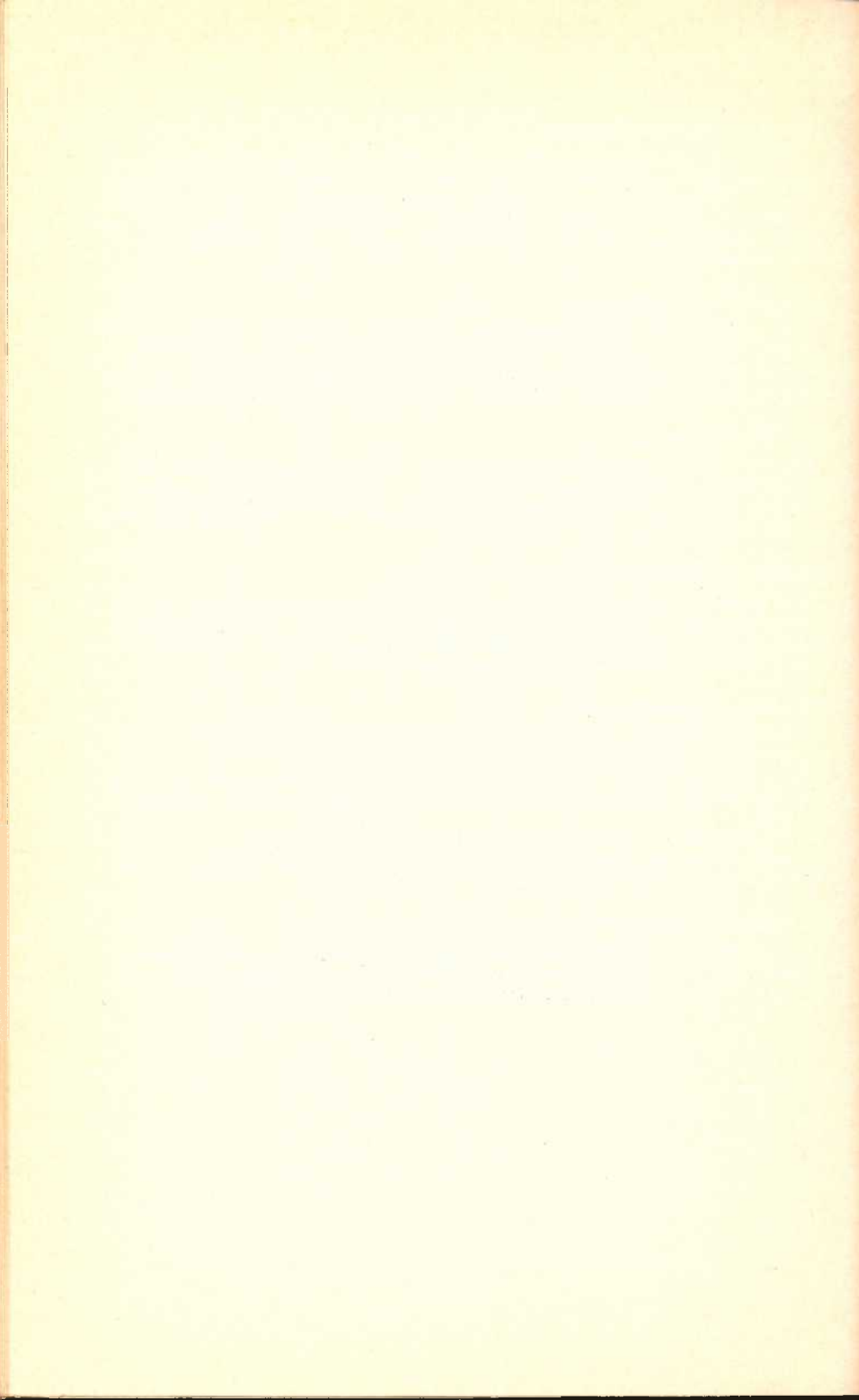
## CONCURRENT ENROLLMENT

A student enrolled at The California State College at San Bernardino may enroll concurrently for additional courses at another institution only with advance written approval from the student's academic advisor. Approval will not be granted if the study load in the proposed combined program exceeds the units authorized at this College.

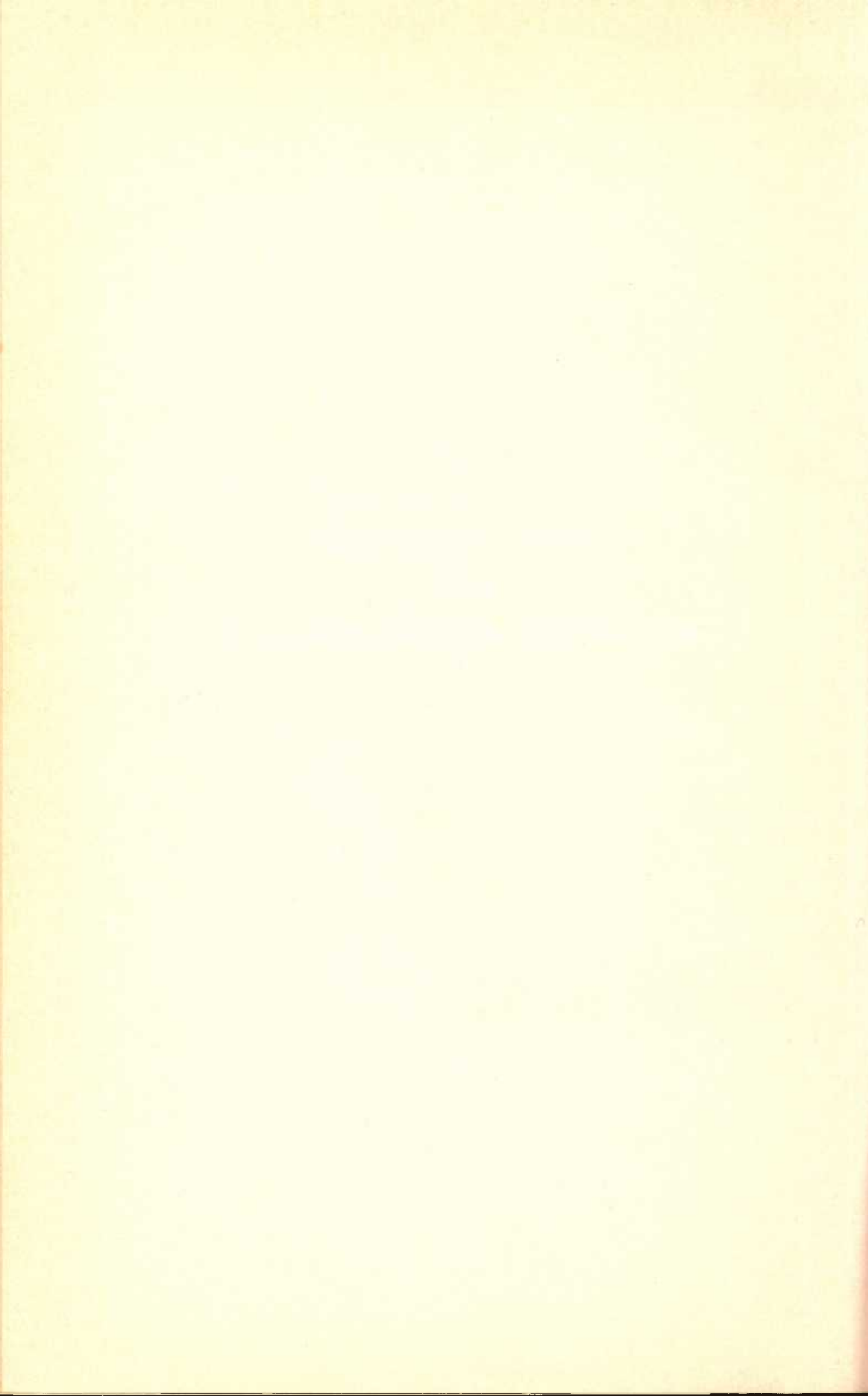
In the event that a student fails to receive approval for subsequent concurrent enrollment or fails to report his concurrent enrollment, credit for courses taken that term at this College will be withheld.

## FULL-TIME-PART-TIME ENROLLMENT

Students registered for three full-term courses (exclusive of physical education) are considered to be full-time students. Part-time students are those registered for fewer than three full-term courses (exclusive of physical education).



**GENERAL INFORMATION  
AND  
REGULATIONS AND REQUIREMENTS**





## ADVISORY SYSTEM

Every student is assigned a faculty member as an advisor immediately upon entrance into the College. In general, the student's faculty advisor is a specialist in the area of the student's major interest. Other advisors are provided for those students who have not yet chosen a major field of concentration.

In addition to such academic counseling, specialized counseling in vocational and personal matters is available in the Office of the Dean of Students. See "Counseling."

## SCHOLARSHIP REQUIREMENTS

- (a) A grade point average of 2.0 (C) or better is required on all units attempted, including those accepted by transfer from another institution.
- (b) A grade point average of 2.0 (C) or better is required on all units in the major.
- (c) A grade point average of 2.0 (C) or better is required on all units attempted at The California State College at San Bernardino.

## GRADING SYSTEM

A—Excellent .....	4 points
B—Good .....	3 points
C—Average .....	2 points
D—Passing .....	1 point
F—Failure .....	0 points
FW—Failed, withdrew .....	0 points
CR—Credit .....	no points
I—Incomplete .....	no points
W—Withdrew .....	no points

A grade of "I" (incomplete) will be changed to a grade of "F" (failed) if the "I" is not removed within a calendar year from the date it was recorded.

## GRADES FOR WITHDRAWAL

If a student withdraws from a class before the "last day to withdraw. . . ." (see the "College Calendar") no grade will be recorded. Thereafter, the grade assigned will be: "W" if the student is passing at the time he withdraws, "FW" if the student is failing at the time he withdraws. See "Withdrawal from College" for an explanation of the procedure for withdrawal.

## ACADEMIC PROBATION AND DISQUALIFICATION

A student shall be placed upon probation if his grade point average falls below a 2.0 (C) average.

A student shall be removed from probation and restored to good standing when he earns a cumulative grade point average of 2.0 (C) in all work attempted at the College.

A student on probation shall be disqualified for readmission when:

- (a) As a lower division student (fewer than 90 quarter hours of college work completed) he falls 23 or more grade points below a 2.0 (C) average on all units attempted.
- (b) As a junior (90 to 134 quarter hours of college work completed) he falls 12 or more grade points below a 2.0 (C) average on all units attempted.
- (c) As a senior (135 or more quarter hours of college work completed) he falls 9 or more grade points below a 2.0 (C) average on all units attempted.

## STUDENT COURSE LOAD

A student is normally permitted to enroll in a maximum of three full-term courses (the equivalent of 15 quarter hours). During terms in which physical education is included, a student may be enrolled in four courses (the equivalent of 17 quarter hours). Students may exceed these maximums only if they give promise of high academic achievement and only with the written approval of their advisor.

## REPETITION OF COURSES

When a course is repeated, the units and grade points of both the repetition and the original course are included in the grade point average. When a course is repeated, where the original grade was passing, the repetition will carry no subject or unit credit toward a degree. Grade point deficiencies incurred by courses completed at The California State College at San Bernardino may not be made up by courses taken at other colleges.

## CLASS ATTENDANCE REGULATIONS

Class attendance is expected of all students enrolled at the College. The instructor in each course sets the standard he expects his students to meet in this regard. There are no excused absences.

## LEAVE OF ABSENCE

A student who expects to be absent from the College for two weeks or more should apply to the Office of the Dean of Students for a leave of absence. Should the absence be for the remainder of a term, a withdrawal should be obtained.

Where such absence is caused by illness, a student must report to the Health Center upon return to the College.

## RESIDENT REQUIREMENT

A minimum of nine full-term courses (45 quarter hours) must be completed at this College. At least four full-term courses (20 quarter hours) must be completed among the last six such courses (or 30 quarter hours) counted toward the degree.

Extension credit or credit by examination may not be used to fulfill the minimum residence requirement.

## WITHDRAWAL FROM COLLEGE

Students who wish to withdraw from the College must complete a "Withdrawal from College" card. No student may withdraw after the date shown on the College Calendar as the last day of classes. (See "Grading System" and "Grades for Withdrawal" for an explanation of grades pertinent to withdrawal from the College.)

## WRITTEN ENGLISH PROFICIENCY

Demonstration of written English proficiency (by examination or otherwise) is required of all students in their junior year. Students who fail to pass such an examination or to qualify for exemption from such an examination will not be approved for graduation by the College.

Deficiency in writing ability may be regarded as sufficient reason for failure in any course in which the deficiency is apparent.

## FOREIGN LANGUAGE COMPETENCY

Each field of major concentration in the College requires foreign language competency as a prerequisite to graduation.

Students are directed to the announcement of each departmental program for a description of specific departmental foreign language requirements.

## FINAL EXAMINATIONS

Written examinations of two hours' duration are held at the close of each term. In courses extending over more than one term, the examination in the concluding term may also cover work done in the preceding term or terms. The schedule for final examinations is established by the Registrar. Examinations may not be given before or after the scheduled period nor may the time of an examination be changed without authorization by the Dean of Faculty. Permission to take a final examination with a different section in the same course may be granted by the Dean of Faculty with the consent of the instructors concerned. Failure to take or to pass any final or other course examinations will result in such deficiencies as instructors may impose.

## CREDIT BY EXAMINATION

A student may petition to receive course credit by examination. Each term the College will give such proficiency examinations similar to the regular final examinations. Students are encouraged to take proficiency examinations, especially in courses required for freshmen and sophomores.

No fee is charged for these examinations. A student who passes a proficiency examination is given credit toward graduation, provided that this does not duplicate credit counted for his admission to the College. The grade in the proficiency examination is "pass" or "fail," but no student is given a grade of "pass" unless he has made at least "C" in the examination. No official record is made of failures in these examinations, and grades received on proficiency examinations are not considered in computing averages.

Proficiency examinations are given under the following restrictions:

1. They may be taken only by persons (a) who are in residence or (b) who are candidates for degrees and need no more than four full-term courses to complete the requirements for their degrees.
2. They may not be taken by students who have received credit for work in the subject in advance of the course in which the examination is requested.
3. They may not be taken to raise grades or to remove failures in courses.
4. Credit for no more than twelve full-term courses may be received through such examinations.
5. A student may repeat an examination for credit only upon approval of the Office of the Dean of Faculty.

Exact times and places of proficiency examinations are announced by the departments concerned. Students who wish to take a proficiency examination should consult the departmental office well in advance of the examination.

## COMPREHENSIVE EXAMINATIONS

At the end of the senior year, as a prerequisite to the degree, each student will be required to pass a comprehensive examination in his field of major concentration.

The examination will be designed to encourage the student to synthesize the material of his major field; it will not necessarily be related to specific course work undertaken by the student. The examination may be written or oral or both. It may be conducted by examiners from other institutions.

Students who fail to pass the comprehensive examination may be given a second opportunity, provided reasonable notice has been given to the Dean of Faculty and the academic division concerned. Further opportunities to take a comprehensive examination will be given only by permission of the academic division concerned and the Dean of Faculty.

### READING PROGRAM

The college reading program is designed to further encourage independent reading and study by all students and to generate college-wide interest in contemporary intellectual issues.

Under the reading program, all students read and are examined on one or more books during each term. As a prerequisite to graduation, students are required to pass reading program examinations in two-thirds of the terms in which they are in full-time attendance (requirements for part-time students are adjusted proportionately).

### PHYSICAL EDUCATION

One year (three terms) of physical education is required of all students, usually in the first two years of attendance. Permission to defer physical education may be obtained from the Office of the Dean of Faculty. A student will be excused from the physical education requirement who files a statement with the Office of the Dean of Faculty that the course is contrary to his religious beliefs.

## REQUIREMENTS FOR DEGREES





## UNDERGRADUATE DEGREE REQUIREMENTS

To be eligible for the bachelor of arts degree, a student must:

1. Complete a minimum of 36 full-term courses plus 3 terms of Health and Physical Education, the equivalent of 186 quarter hours of college credit.
2. Complete a minimum of 18 full-term courses and 3 term courses in General Studies which shall be distributed in the following manner:

a. Freshman Composition	2	full-term	courses
b. Natural Sciences (including Mathematics)	5	"	"
c. Humanities	4	"	"
d. Social Sciences	6	"	"
e. General Studies Senior Seminar	1	"	"
f. Health and Physical Education	3	terms	
3. Complete all requirements for a major.
4. Complete at least nine full-term courses (45 quarter hours) at this College.
5. Earn a grade point average of 2.0 (C) or better in all units attempted here and elsewhere.
6. Meet the requirements of the College Reading Program and of the Junior English Proficiency Program.
7. Be recommended for graduation by the faculty of the College.

A candidate for graduation should request a Graduation Requirement Check at the Office of Admissions and Records by the dates indicated in the "College Calendar." No Graduation Requirement Check should be requested unless and until the senior has completed 30 full-term courses (150 quarter hours), including the current work in progress. If the candidate does not complete the requirements in the term indicated, he must request a second Graduation Requirement Check indicating the new date at which he expects to graduate.



## COURSES OF INSTRUCTION



## COURSES OF INSTRUCTION, 1966-67

The departments of instruction follow the section "General Studies" and are arranged in alphabetical order.

## PREREQUISITES

These are stated either in terms of class standing in the College or successful completion of certain preliminary courses.

## DIVISIONS OF THE COLLEGE

For purposes of administration, the instructional areas of the College are grouped into three Divisions as follows:

<i>Humanities</i>	<i>Natural Sciences</i>	<i>Social Sciences</i>
Art ✓	Biology ✓	Business Administration ✓
English ✓	Chemistry ✓	Economics
Foreign Languages Fr. ✓ Sp. ✓	Geography	History ✓
Music ✓	Geology	Psychology
Philosophy	Mathematics ✓	Political Science ✓
	Physics	Sociology-Anthropology ✓

In addition, courses of instruction will be offered in the following Departments:  
Physical Education                      Teacher Education

NOTE: All information and announcements herein are subject to change without notice. All students should consult the "Class Schedule" issued before each term to determine precisely what courses will be available that term.

## COURSE NUMBERING SYSTEM

The "full-term course" is the unit of measurement of academic credit at The California State College at San Bernardino. For purposes of comparison with other colleges, a full-term course matches or exceeds the standards required of a conventional 5 quarter-hour course or a  $3\frac{1}{2}$  semester-hour course.

- 1- 99.....Non-credit courses
- 100-299.....Lower division course designed primarily for freshmen and sophomores
- 300-499.....Upper division courses
- 500-599.....Courses for upper division and graduate students

## EVENING CLASSES

Classes offered in the late afternoon or evening are part of the regular college instructional offerings. They carry equal credit and have equal requirements. Students whose time for study is limited by work or other outside activities should remember that each college course constitutes one-third of a full load.

## GENERAL STUDIES

The General Studies program was devised to provide all graduates with a common understanding of the major fields of knowledge. For this, the College has designed a series of broad, general courses that span many fields and offer fundamental materials and ideas in the natural sciences, the social sciences, and the humanities.

The General Studies courses are planned to complement the specialized interests a student may elect to pursue in his field of major concentration. General Studies courses begin in the freshman year and continue through all four undergraduate years, culminating in the General Studies Senior Seminar.

The General Studies Senior Seminar is designed to help the student develop powers of investigation, analysis, and interpretation. Each student is obliged to select his General Studies Senior Seminar from among offerings of an academic division other than that of his major field of concentration.

### LOWER DIVISION

#### H **G.S. 101. Freshman Composition I**

The first course in a two-course sequence in writing. Analytical study of the language and structure of prose is undertaken in order to help students develop a clear, mature, and flexible expository style. Frequent writing is required.

#### H **G.S. 102. Freshman Composition II**

A continuation of G.S. 101. Prerequisite: G.S. 101 or the equivalent.

#### NS **G.S. 110. Principles of Biology I**

First term of a two-term General Studies lecture and laboratory course which examines the nature, organization, and evolution of living systems.

#### NS **G.S. 111. Principles of Biology II**

A continuation of G.S. 110.

#### 7105 **G.S. 120. Principles of Physical Science I**

A General Studies lecture and laboratory course dealing with basic concepts of physical science such as motion, forces, and energy.

#### NS **G.S. 121. Principles of Physical Science II**

A General Studies lecture and laboratory course which presents a historical development of theories concerning the nature of matter, with applications to chemical systems.

#### **G.S. 122. Foundations of Physical Science I**

An elective alternate to G.S. 120 with a more advanced treatment of basic concepts and theories for students with a strong background in science and mathematics. The major areas of study are mechanics, kinetic theory, and astronomy.

Prerequisite: Mathematics 101 or equivalent.

#### **G.S. 123. Foundations of Physical Science II**

An elective alternate to G.S. 121 which features an examination in depth of the structure of matter and the nature of chemical reactions.

Prerequisite: Two years of high school science and three years of high school mathematics, or consent of instructor.

#### NS **G.S. 130. The Ideas of Mathematics**

A one-term General Studies course which traces the development of mathematical ideas, and the impact of mathematical thought on our culture.



**G.S. 140. World Civilizations I, the Rise of Civilization**

A General Studies survey of the activities of man from the beginnings through the rise and diffusion of civilization in the era of Middle Eastern dominance to about 500 B.C.

**G.S. 142. World Civilizations II, the Civilizations of the East and West**

A General Studies survey of the major achievements of the great civilizations from the flowering of Greek culture to the close of the Middle Ages in Europe.

**G.S. 144. World Civilizations III, the Expansion of Europe**

A General Studies survey of the rise to dominance of the European states and their impact throughout the world, 1500 A.D. to the present.

**G.S. 146. American Civilization**

A General Studies history of the United States as it emerged from colonial status to the present time. This course meets the State Code requirement in United States History, Constitution, and American ideals.

**G.S. 150. Contemporary Civilization I**

A General Studies course that describes and analyzes the political and economic systems and institutions of modern society and the issues confronting these. This course meets the State Code requirement in California state and local government.

**G.S. 160. Contemporary Civilization II**

A General Studies course that interprets contemporary society in the light of the knowledge and theories of sociology, anthropology, and psychology. This course meets the State Code requirement in Psychology.

**G.S. 170. Studies in Literature**

A General Studies course analyzing the forms and content of literature.

**G.S. 180. Studies in Music**

A General Studies course exploring the elements of music and the nature of meaning and musical style, with emphasis on listening and analysis.

**G.S. 190. Studies in Philosophy**

A General Studies introduction to the analysis of philosophic problems centered on things done, things known, and things made. Intensive group discussion is based on selections from Greek, medieval, early modern, and contemporary philosophers.

**G.S. 200. Studies in Art**

A General Studies course exploring the form and content of art.

**UPPER DIVISION****G.S. 401. Senior Seminar: Utopia: The Idle Dream?**

A study of the nature of utopias, the circumstances fostering their conception, and the extent to which purpose, deceit, and desire go into their making. Offered by the Humanities Division.

**G.S. 402. Senior Seminar: The Search for Conformity or Individuality**

A study, through reading fiction and non-fiction, of the significance and responsibilities inherent in being an individual and of certain aspects of conformity and its slight rewards. Offered by the Humanities Division.

**G.S. 403. Senior Seminar: Technology Versus the Pastoral Ideal in American Literature**

A study of the impact of industrialism on the American ethos as seen in such representative works of fiction and non-fiction as *Walden*, *The Gilded Age*, *Huckleberry Finn*, *The Education of Henry Adams*, *The Octopus*, *The Machine in the Garden*, and *The American Adam*. Offered by the Humanities Division.

**G.S. 404. Senior Seminar: Assumptions, Methods, and Problems in the Natural and Social Sciences**

Analysis of some typical twentieth-century works in the natural and social sciences in order to examine such problems as moral relativism in anthropological literature, Freud and psychoanalytic explanations of art and religion, mechanical technique and creative invention in mathematics, and theories of evolution. Offered by the Humanities Division.

**G.S. 405. Senior Seminar: Creative Man**

A study of the processes of creativity, explored through reading, discussion, experimentation, and examination of relevant examples from the arts. Offered by the Humanities Division.

**G.S. 406. Senior Seminar: The Limitations of Science**

A study of the scope and limitations of science, including discussions of the present attitudes of society toward science, the limitations inherent in the scientific method, the economic limitations of science, and the limitations of science due to the nature of man. Offered by the Natural Sciences Division.

**G.S. 407. Senior Seminar: Biological Basis of Social Behavior**

An inquiry into the various kinds of animal groups and their significant characteristics. A wide variety of social traits and processes shared by animals and man will be examined. Offered by the Natural Sciences Division.

**G.S. 408. Senior Seminar: Human Values in a Scientific Age**

A study of the effect of science on human values, including consideration of problems caused by the machine age and rapid scientific growth as well as possible solutions. Offered by the Natural Sciences Division.

**G.S. 409. Senior Seminar: Probability, Indeterminacy, and Relativity**

An inquiry into the concepts of probability, indeterminacy, and relativity and how they have radically altered ideas about the nature of the universe and man's ability to understand events in the universe. Offered by the Natural Sciences Division.

**G.S. 410. Senior Seminar: Development of the Mathematical and Physical Sciences**

An examination of the history of major scientific developments in mathematics, chemistry, and physics, including examination of the foundations and present assumptions of modern science. The growth and importance of mathematics to science is stressed. Not recommended for students who lack Mathematics 210 or its equivalent. Offered by the Natural Sciences Division.

**G.S. 411. Senior Seminar: The American Worker in an Affluent Society**

An historical analysis of the role of the American working man and woman in this society since 1900, with emphasis on the problems of labor unions in crisis and success and the changing status of the worker in America. Offered by Social Sciences Division.

**G.S. 412. Senior Seminar: Peasant Cultures in the Modern World**

An intensive study of village life in the developing countries, with special reference to their increasing involvement in the "revolution of rising expectations" and the new national, social, political, and economic movements. Offered by the Social Sciences Division.

**G.S. 413. Senior Seminar: Class Conflict in American History**

An examination of various views of the role of class conflict in American history, including consideration of the relative importance of conflict and consensus which is at the core of many interpretive disagreements in American historiography. The course will test the Marxist interpretation of American history while covering the various class conflicts in American society from colonial times to the present. Offered by the Social Sciences Division.

**G.S. 414. Senior Seminar: Major Political Parties in the United States**

An examination of the strengths and weaknesses, the changes and continuities, that have characterized the American two-party system since its inception. This course will stress how the two-party system, which was not foreseen by the framers of the Constitution, has molded American historical development. Offered by the Social Sciences Division.

**G.S. 415. Senior Seminar: The Machine and Man**

The study of the effects of the machine on man in his many facets: social, political, and economic. Based on the English experience, the sources will include novels, histories, and sociological tracts. Offered by the Social Sciences Division.

**G.S. 416. Senior Seminar: U.S. National Security**

A study of approaches employed by various disciplines in the social sciences, including a survey of the literature of games theory, as applied to military and diplomatic problems among nations, with particular attention to U.S. national security policy. Offered by the Social Sciences Division.

**MAJOR FIELDS OF STUDY**

Work in a major field of study is designed to afford each student the opportunity to engage in intensive study of a discipline.

Not later than the beginning of the junior year, each student shall select one or more specialized areas in which he wishes to concentrate. Thereafter his program will be supervised by an advisor from his chosen major department.

Major programs are available beginning in 1966-67 in the fields listed below. Students are required to complete seven or more full-term courses beyond the introductory level in their major field and to pass a comprehensive examination in their senior year.

Biology (for freshmen and sophomores only)  
 Business Administration (for freshmen only)  
 Chemistry (for freshmen only)  
 English  
 French  
 History

Mathematics  
 Political Science  
 Psychology (for freshmen only)  
 Sociology  
 Spanish

## Art

No major program in Art will be offered in 1966-67. Courses listed below will be offered only as electives and in support of other major programs.

### LOWER DIVISION

**150. Drawing and Painting I**

**151. Drawing and Painting II**

**152. Drawing and Painting III**

**201. History of Art I**

Ancient, Classical and Medieval art.

**202. History of Art II**

Renaissance, Baroque, and Rococo art.

**203. History of Art III**

Nineteenth-century, Primitive, and Oriental art.

### UPPER DIVISION

**301. Modern Art**

Prerequisite: G.S. 200 or consent of instructor.

**352. Advanced Drawing and Painting I**

**353. Advanced Drawing and Painting II**

**354. Advanced Drawing and Painting III**

NOTE: All information and announcements herein are subject to change without notice. Students should consult the "Class Schedule" issued before each term, to determine precisely what courses will be offered.

## Biology

Requirements for the major: Ten courses in Biology including one course from each of the following areas: Organismic Biology, Cell Biology, Genetics, Physiology, Morphology and Development, Ecology and Behavior; Two courses in Mathematics selected from Mathematics 101, 150, 210, and 211; Three courses in Chemistry: Chemistry 202, 301, and 302; One course in Physics: Physics 102. Students may substitute one or two courses in a related discipline for Biology courses, with the consent of the departmental advisor.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

Biology majors should fulfill their General Studies physical science requirement by electing G.S. 122 and G.S. 123. With the consent of their departmental advisor, students may substitute a maximum of two General Studies Senior Seminars for two lower division General Studies courses in the same fields.

Note: In 1966-67 the major program in Biology is open only to freshmen and sophomores.

### LOWER DIVISION

#### **202. Organismic Biology: microorganisms**

Consideration of the major features of microbial organisms, including viruses, bacteria, protozoa, algae and fungi. Prerequisite: G.S. 110 and G.S. 111 or their equivalent.

#### **203. Organismic Biology: plants**

A survey of the major structural and physiological features in the evolution of plants. Prerequisite: G.S. 110 and G.S. 111 or their equivalent.

#### **301. Organismic Biology: invertebrates**

The evolution of the invertebrate phyla with emphasis on major phylogenetic changes. Prerequisite: G.S. 110 and G.S. 111 or their equivalent.

#### **302. Organismic Biology: chordates**

Consideration of structural, ecological and physiological changes in the evolution of the chordate groups. Prerequisite: G.S. 110 and G.S. 111 or their equivalent.



## **Business Administration**

A major in Business Administration may be chosen by freshmen only, in 1966-67. Students making this selection will enroll in General Studies courses during their freshman year and be advised through the Social Science Division Office.

The major in Business Administration requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

### **LOWER DIVISION**

#### **150. Principles of Accounting I**

A course designed for the general student of business, surveying the basic accounting concepts and practices.

#### **152. Principles of Accounting II**

A continuation of 150 with special attention to the use of accounts as sources of information for analysis and decision making purposes.

### **UPPER DIVISION**

#### **300. Principles of Marketing**

A study of marketing methods and institutions, including retail, wholesale, and industrial marketing.

#### **310. Financial Management**

A survey of the problems of business finance based on the identification, analysis, and solution of managerial problems in finance.



## Chemistry

Requirements for the major: A minimum of eight courses in Chemistry, including two terms each of General, Organic, and Physical Chemistry, one term of Inorganic Chemistry, and one advanced Chemistry course; three courses in Mathematics: Mathematics 210, 211, and 212; one or two courses in Physics.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

Students seeking a major program meeting the minimum requirements of the American Chemical Society must complete three additional advanced courses in Chemistry, must present German or Russian as their foreign language, and must elect Physics 202 and 203.

Chemistry majors should fulfill their General Studies Physical Science requirement by electing G.S. 122 and G.S. 123. With the consent of their departmental advisor, students may substitute a maximum of two General Studies Senior Seminars for two lower division General Studies courses in the same fields.

NOTE: In 1966-67 the major program in Chemistry is open only to freshmen.

### LOWER DIVISION

#### 202. Principles of Chemistry I

The first term of a two-term sequence of lecture and laboratory work. The first term is devoted to a detailed study of chemical reactions, including kinetics, mechanism, and equilibrium. Prerequisite: G.S. 123 or consent of instructor.

#### 203. Principles of Chemistry II

The second term of a two-term sequence of lecture and laboratory work. The second term includes elementary thermodynamics and the application of chemical principles to a study of the chemical elements and their compounds. The laboratory includes work in both qualitative and quantitative analysis. Prerequisite: Chemistry 202 or consent of instructor.

### UPPER DIVISION

#### 301. Organic and Biological Chemistry I

The first term of two-term sequence dealing with the chemistry of carbon compounds, including a discussion of organic structures, reactions, and mechanisms having biological significance. Lecture and laboratory. Prerequisite: Chemistry 202.

#### 302. Organic and Biological Chemistry II

A continuation of Chemistry 301. Prerequisite: Chemistry 301.

## Economics

No major program in Economics will be available in 1966-67. Courses listed below will be offered only as electives and in support of other major programs.

### LOWER DIVISION

#### **100. Elements of Economics I**

An introduction to modern economic society with emphasis on the changing social values and institutions of the American economy, the monetary system, and the theory of income determination.

#### **102. Elements of Economics II**

The completion of the introduction to Economics with emphasis on the theory of market organization, contemporary public policy issues, economic growth and development, and international trade.

### UPPER DIVISION

#### **420. Comparative Economic Systems**

A description and analysis of the major theories and forms of economic organizations.

NOTE: All information and announcements herein are subject to change without notice. Students should consult the "Class Schedule" issued before each term, to determine precisely what courses will be offered.

## English

Requirements for the major: A minimum of ten courses in English, of which eight courses must be in the upper division.

The major also requires four full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

### LOWER DIVISION

#### 110. World Literature I

Readings in Oriental and continental European literature to the Renaissance (in English translation).

#### 111. World Literature II

Readings in Oriental and continental European literature from the Renaissance to the contemporary period (in English translation).

#### 120. English Literature I

Readings in English literature from the Middle Ages to the Renaissance.

#### 121. English Literature II

Readings in English literature from the Renaissance to the contemporary period.

### UPPER DIVISION

#### 301. Analysis of Poetry

An approach to an understanding of the literary experience through a study of structure and theme in selected lyric poems.

#### 302. Analysis of Drama

An approach to an understanding of the literary experience through a study of structure and theme in selected plays.

#### 303. Analysis of Prose Fiction

An approach to an understanding of the literary experience through a study of structure and theme in selected pieces of narrative prose.

#### 310. English Literature of the Middle Ages

Lyric, drama, prose and verse narrative from the beginnings of English literature through Malory.

#### 312. English Literature of the Renaissance

Poetry, prose, and drama (exclusive of Shakespeare) of the sixteenth century.

#### 321. Seventeenth Century Literature

English prose and poetry from Bacon through Milton.

#### 328. English Literature of the Augustan Age

Emphasis on Dryden, Pope, and Swift.

#### 332. Romantic Prose and Poetry

A study of major English Romantics such as Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron.

#### 334. Victorian Literature

A study of major writers of Victorian England.

**340. American Literature I**

Colonial and Federal American literature to the early nineteenth century.

**341. American Literature II**

The romantic movement in American literature.

**342. American Literature III**

The age of realism in American literature.

**345. Modern Poetry**

Emphasis on Yeats, Pound, Eliot, Frost, Auden, Stevens, and Graves.

**346. Modern Fiction**

Emphasis on James, Lawrence, Joyce, Faulkner, and Hemingway.

**350. Classical Drama**

Development of comedy and tragedy in Greece and Rome.

**355. Modern Drama I**

European, English, and American Realism.

**356. Modern Drama II**

European, English, and American Anti-realism.

**360. Development of the Novel I**

The eighteenth century novel in historical perspective with emphasis on close reading of selected English novels.

**362. Development of the Novel II**

The nineteenth century novel in historical perspective, with emphasis on close reading of selected English novels.

**375. Shakespeare I**

The comedies and history plays.

**376. Shakespeare II**

The tragedies and romances.

**385. Introduction to Literary Criticism**

The major issues in literary criticism considered in historical perspective.

**390. Advanced Composition**

A course in advanced expository writing.

**395. History of the English Language****400. Grammar and Linguistics****440. Studies in Literary Figures and Genres****499. The Teaching of English in the Secondary School**

## French

Requirements for the major: Twelve courses or their equivalent, including 301, 302, and at least two courses at the 400 level.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

### LOWER DIVISION

#### **101. Elementary French I**

Pronunciation, grammar, reading, and conversation.

#### **102. Elementary French II**

Continuation of French 101.

#### **103. Intermediate French I**

Grammar, composition, and conversation; discussion in French of literary texts. Prerequisite: French 102 or equivalent.

#### **104. Intermediate French II**

Continuation of French 103.

### UPPER DIVISION

All upper division courses are conducted in French.

#### **301. Advanced French I**

The study of French phonology, with emphasis on improvement of the students' pronunciation. Prerequisite: French 104 or equivalent.

#### **302. Advanced French II**

The study of the structure of the French language, with emphasis on improvement of the students' ability to write French. Prerequisite: French 104 or equivalent.

#### **303. Literature of the Middle Ages and the Sixteenth Century**

Prerequisite: French 104 or equivalent.

#### **304. Literature of the Seventeenth Century**

Prerequisite: French 104 or equivalent.

#### **305. Literature of the Eighteenth Century**

Prerequisite: French 104 or equivalent.

#### **401. The French Novel in the Nineteenth Century**

Prerequisite: one 300 level French course or equivalent.

#### **402. French Poetry of the Nineteenth and Twentieth Centuries**

Prerequisite: one 300 level French course or equivalent.

#### **403. The French Novel in the Twentieth Century**

Prerequisite: one 300 level French course or equivalent.

#### **404. The French Theatre in the Twentieth Century**

## German

No major program will be offered in German in 1966-67. Courses listed below will be offered in support of other major programs and as electives only.

### LOWER DIVISION

#### **101. Elementary German I**

Pronunciation, grammar, reading, and conversation.

#### **102. Elementary German II**

Continuation of German 101.

#### **103. Intermediate German I**

Reading and discussion of modern German prose and poetry, grammar review, composition, and conversation. Prerequisite: German 102 or equivalent.

#### **104. Intermediate German II**

Continuation of German 103.

### UPPER DIVISION

#### **301. Advanced German I**

Composition, conversation, and style; introduction to literary types; oral reports. Prerequisite: German 104, or equivalent.

#### **302. Advanced German II**

Continuation of German 301. Prerequisite: German 301 or equivalent.

#### **304. German Classicism**

Dramas and poetry of Goethe and Schiller; study of selected critical works. Prerequisites: German 104 or equivalent.

#### **308. Readings in German Literature**

The study of a selected literary genre or writer. Prerequisite: German 104 or equivalent.

NOTE: All information and announcements herein are subject to change without notice. Students should consult the "Class Schedule" issued before each term, to determine precisely what courses will be offered.



## GEOGRAPHY

No major program will be offered in Geography in 1966-67. Courses listed below will be offered in support of other major programs and as electives only.

### LOWER DIVISION

#### 110. General Physical Geography

A study of the elements of physical environment, including land forms, climate, water resources, vegetation, and soils.

#### 111. World Regional Geography

Man's distribution and activities in the various geographic regions of the world, with emphasis on the uses of various environments and the effects of geographic conditions on man.

#### 112. Geography of California

Analysis of the geographic regions of California--their environmental diversity, settlement patterns, economic development, and current problems.



## History

Requirements for the major: Ten courses in History, including at least six in the upper division, one of which must be History 590. With the approval of the departmental advisor, up to two courses in related fields may be counted toward the upper division course requirement in History. History majors are required to include courses in American History and Modern European History in their programs.

The major also requires three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

### LOWER DIVISION

#### 100. Early Modern Europe, the Renaissance to 1815

The institutions, culture, and political development of Europe from the Renaissance to the end of the Napoleonic Wars.

#### 101. Modern Europe, 1815 to the Present

The institutions, culture, and political development of Europe from the Congress of Vienna to the present.

#### 200. United States History to 1877

A survey of the history of the United States from the colonial beginnings to 1877. Satisfies State requirement in American Constitution and American History.

#### 201. United States History, 1877 to the Present

A survey of the history of the United States from 1877 to the present.

### UPPER DIVISION

#### 302. Renaissance and Reformation

Principal political, economic, intellectual, and religious developments in Europe from about 1300 to 1648.

#### 304. The Age of Absolutism and Enlightenment

A study of the period from 1648 to 1789, emphasizing the development of the modern state, the new scientific movement, and the growth of revolutionary ideas.

#### 306. The Revolutionary Era, 1789-1815

The crisis in European civilization from the French Revolution to the Congress of Vienna.

#### 308. Europe in the Nineteenth Century

A study of the political, social, and intellectual changes of the period 1815 to 1914.

#### 310. Twentieth Century Europe

A history of Europe from the outbreak of the first World War to the present.

#### 350. The American Colonies, 1607-1783

A history of the thirteen colonies from European origins to the attainment of independence.

#### 352. The Early Republic

A history of the United States from the Confederation period through the administration of Van Buren.

**354. Civil War and Reconstruction**

The background and causes of the Civil War and the problems of Reconstruction.

**356. The United States, 1877-1917**

A history of the transformation of the nation between the end of Reconstruction and entrance into World War I.

**358. Modern America**

A study of the principal developments in American life since the first World War.

**370. History of California**

The political, economic, and social development of California from Spanish times to the present.

**400. Tudor and Stuart England**

A history of the principal political, economic, religious, and intellectual developments of England from 1485 to 1714.

**404. Modern Britain**

A history of Great Britain from the accession of the Hanoverian dynasty to the present.

**410. Russia to 1905**

A history of the Russian civilization from Kievan origins to the Revolution of 1905.

**414. Russia Since 1905**

The history of the revolutionary era and the development of the Soviet Union to the present.

**420. Economic History of the United States**

The economic history of the United States from the founding of the colonies to the present.

**499. The teaching of the Social Sciences in the Secondary School****510. France Since 1815**

A history of French culture and politics from the fall of Napoleon to the present.

**514. Germany Since 1815**

A history of German culture and the emergence of the German state from the Congress of Vienna to the present.

**540. Constitutional History of the United States**

A history of American constitutional development from English and European origins to the present day.

**550. Social and Intellectual History of the United States to 1860**

A history of American civilization to 1860, including the development of American society, thought, and culture.

**552. Social and Intellectual History of the United States Since 1860**

A history of American civilization since 1860, including the development of American society, thought, and culture.

**554. Foreign Relations of the United States to 1898**

A survey of American foreign relations from the American Revolution to the Spanish-American War.

**556. Foreign Relations of the United States Since 1898**

The history of United States foreign relations as the nation emerges as a world power in the twentieth century.

**560. History of the American West**

A survey of the western expansion of the American nation.

**590. The Study of History**

An introduction to the nature of History through a consideration of the problems of historical knowledge and of the works of major historians of the past.

**592. Seminar in Modern European History**

An intensive study of some phase of modern Europe to be developed by the instructor with the class.

**594. Seminar in United States History**

An intensive study of some phase of American History to be developed by the instructor with the class.

NOTE: All information and announcements herein are subject to change without notice. Students should consult the "Class Schedule" issued before each term, to determine precisely what courses will be offered.

## Mathematics

Requirements for the Major: Ten courses in Mathematics including Mathematics 210, 211, 212, 213, 311, 312, and 331 plus three upper division elective courses in Mathematics selected in consultation with the advisor. Physics 202 and 203 are recommended for Mathematics majors. Students planning to earn a high school teaching credential should include Mathematics 539. A Mathematics major may substitute a maximum of two General Studies Senior Seminars for two lower division General Studies courses in the same fields.

The major also requires two full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

### LOWER DIVISION

#### 101. Pre-Calculus Mathematics

Inequalities, absolute value; algebraic, logarithmic, trigonometric, and exponential functions; elements of analytic geometry; complex numbers and theory of equations; progressions, mathematical induction. Prerequisite: Plane geometry and two terms of high school advanced algebra or their equivalent.

#### 150. Elementary Statistics

A course in the basic principles of statistics with applications to the natural and behavioral sciences. Prerequisite: A year of high school advanced algebra or its equivalent.

#### 210. Analysis I

First term of a four-term sequence on the basic elements of calculus and differential equations. The first term covers functions, graphs, limits, continuity; a heuristic treatment of differentiation and integration with applications. Prerequisite: Mathematics 101 or  $3\frac{1}{2}$  years of high school Mathematics including the equivalent of 2 years of algebra, 1 year plane geometry, and  $\frac{1}{2}$  year trigonometry.

#### 211. Analysis II

Second term of a four-term sequence on the basic elements of calculus and differential equations. The second term covers transcendental functions, differentials, formal integration, theory of the definite integral with applications, improper integrals. Prerequisite: Analysis I with a grade of C or better or the consent of the department chairman.

#### 212. Analysis III

Third term of a four-term sequence on the basic elements of calculus and differential equations. The third term covers vectors in a plane; the inverse square law and conic sections; vectors in space; partial derivatives; multiple integration, volumes; series and expansion of functions.

Prerequisite: Analysis II with a grade of C or better or consent of the department chairman.

#### 213. Analysis IV

Fourth term of a four-term sequence on the basic elements of calculus and differential equations. The fourth term covers systems of linear equations and elements of matrix algebra; separable and exact first order differential equations; the general linear first order equation, linear equations with constant coefficients; matrix algebra applied to the solution of systems of linear differential equations. Prerequisite: Analysis III with a grade of C or better or the consent of the department chairman.



**301. Mathematics for Elementary Teachers**

A study of the foundations of modern arithmetic and geometry for effective teaching at the elementary school level. *Not open to mathematics majors.* Prerequisite: G.S. 130 or its equivalent.

**311. Introduction to Analysis and Abstract Algebra I**

First term of a two-term course in modern algebra and the foundations of calculus. The first term covers the axiomatically defined real number system and its sub-systems; mappings, relations, and abstract systems including groups, rings, integral domains, and fields. Prerequisite: Mathematics 213 or the consent of the department chairman.

**312. Introduction to Analysis and Abstract Algebra II**

Second term of a two-term course in modern algebra and the foundations of calculus. The second term covers the construction of the complete ordered field of real numbers, Cauchy sequences, topology of the real line, properties of continuous functions, the Riemann integral, elementary functions. Prerequisite: Mathematics 311 or the consent of the department chairman.

**331. Linear Algebra**

Vector spaces over a field, linear dependence, dimension; matrices and systems of linear equations; special matrices and canonical forms; characteristic values and vectors; diagonalization of quadratic and Hermitian forms; applications. Prerequisite: Mathematics 213 or the consent of the department chairman.

**444. Probability and Statistics I**

First term of a two-term sequence on the mathematical theory of probability and statistics with application to the problems of sampling and decision making. The first term covers axiomatic development of probability; discrete random variables and their probability distributions with emphasis on the Bernoulli and Poisson distributions; discrete stochastic processes. Prerequisite: Mathematics 213 or the consent of the department chairman.

**445. Probability and Statistics II**

Second term of a two-term sequence on the mathematical theory of probability and statistics with application to the problems of sampling and decision making. The second term covers continuous random variables and their probability distributions; moment generating functions; the normal,  $t$ , chi-square, and  $F$  distributions applied to testing hypotheses. Prerequisite: Mathematics 444 with a grade of C or better or the consent of the department chairman.

**501. Topics in Applied Mathematics I**

Series solutions of differential equations, systems of differential equations; finite difference calculus, difference equations, numerical solution of differential equations; least square approximations, orthogonal polynomials. Prerequisite: Mathematics 213.

**502. Topics in Applied Mathematics II**

Fourier series and integrals, Laplace transformations, partial differential equations. Prerequisite: Mathematics 501 or the consent of department chairman.

**520. History and Philosophy of Mathematics**

A study of the historical development of major trends in mathematics and their logical basis. Prerequisite: Upper division standing in mathematics.

**529. Foundations of Geometry**

The foundations of Euclidean and non-Euclidean geometries. Recommended for prospective high school mathematics teachers. Prerequisite: Mathematics 312 or the consent of department chairman.

**551. Advanced Calculus I**

The calculus of vector functions, differentiable functions, transformations, implicit functions, extrema, multiple integrals, line and surface integrals. Prerequisite: Mathematics 312 or the consent of the department chairman.

**552. Advanced Calculus II**

Uniform convergence, computation with series, improper integrals, functions represented by integrals, Fourier series. Prerequisite: Mathematics 551 or the consent of the department chairman.

**561. Functions of a Complex Variable**

Complex numbers, derivatives and integrals of analytic functions, the geometry of elementary functions, Cauchy's integral theorem and formula; Laurent expansions and evaluation of contour integrals by residues. Prerequisite: Mathematics 312 or the consent of the department chairman.

**568. Number Theory**

Topics from the theory of numbers including congruences, Diophantine equations, and a study of prime numbers. Prerequisite: Mathematics 312.

**572  
571. Modern Algebra**

Polynomials over integral domains, algebraic and transcendental extension of number fields, Galois theory. Prerequisite: Mathematics 312.

**581. Topology**

An introduction to point set topology; general topological and metric spaces. Prerequisite: Mathematics 312.



## Music

No major program in Music will be offered in 1966-67. Courses listed below will be offered only as electives and in support of other major programs.

### UPPER DIVISION

#### **301. History of Music I**

The development of Western music from antiquity through the Renaissance, with emphasis on analysis, listening, and individual study. Prerequisite: three terms of music theory or consent of instructor.

#### **302. History of Music II**

A continuation of Music 301. Baroque to the late nineteenth century. Prerequisite: three terms of music theory or consent of instructor.

#### **303. History of Music III**

A continuation of Music 302. Debussy to the present. Prerequisite: three terms of music theory or consent of instructor.

# Philosophy

No major program in Philosophy will be offered in 1966-67. Courses listed below will be offered only as electives and in support of other major programs.

## LOWER DIVISION

### 200. Logic I

An introduction to analysis of expression, statement, and argument in terms of their systematic functions in processes of reasoning.

### 250. Ethics I

An introductory study of problems of individual human action.

## UPPER DIVISION

### 300. History of Philosophy I

Analysis of readings from Greek and Roman philosophy.

### 302. History of Philosophy II

Analysis of readings from medieval philosophy, St. Augustine to Ockham.

### 304. History of Philosophy III

Analysis of readings from early modern philosophy, Descartes to Kant.

### 306. History of Philosophy IV

Analysis of readings from nineteenth- and twentieth-century philosophy, Hegel to the present.

### 312. Logic II

The operations, structure, and theory of formal logic in Aristotle's *Organon* and contemporary mathematical logic. Philosophy 200 is not a prerequisite to Philosophy 312.

### 315. Philosophy of Science

A comparative study of diverse conceptions of the nature of science, the relations of the sciences to each other, and the methods, assumptions and problems characteristic of science.

### 320. Philosophy of Education

Careful reading of some of the major writings in the field, e.g., those of Plato, Rousseau, Newman, and Dewey.

### 350. Ethics II

An examination of issues inherent in individual human action in the light of major alternative formulations offered by past and present philosophers. Philosophy 250 is not a prerequisite of Philosophy 350.

### 360. Political Philosophy

Systematic study of some important ancient, medieval, and modern works that examine the principles and problems of action by a community.

### 370. Philosophy of Art and Criticism: Aesthetics

Investigation of problems and issues in texts by philosophers and critics from Plato to the present.

## Physical Education

Requirements for graduation: Each student is required to complete one year (three courses) in Health and Physical Education during his undergraduate career. In 1966-67, the College will lack facilities for Physical Education, and instruction will thus be limited to classroom courses designed to provide an understanding of body mechanics, instruction in health and hygiene, as well as appreciation of sports and activities.

The College does not offer an undergraduate major in Health or Physical Education.

Students should consult the "Class Schedule" issued each term for specific information on Physical Education course offerings during each term of the 1966-67 academic year.

### **100. Physical Education**

## Physics

No major program will be offered in Physics in 1966-67. Courses listed below will be offered only as electives and in support of other major programs.

### LOWER DIVISION

#### **102. General Physics**

A lecture and laboratory course on selected topics in electricity, magnetism, light, and modern physics. Prerequisite: G.S. 122.

#### **202. Principles of Physics I**

First term of a two-term lecture and laboratory course on electricity, magnetism, optics, and modern physics, using calculus concepts for a more rigorous treatment of theory. Prerequisite: G.S. 122, Mathematics 210, and completion or concurrent registration in Mathematics 211.

#### **203. Principles of Physics II**

A continuation of Physics 202. Prerequisite: Physics 202 and completion or concurrent registration in Mathematics 212.

## Political Science

Requirements for the major: A minimum of ten courses in Political Science, eight of which shall be upper division. All majors should take Political Science 100 and 102 or equivalent lower division course work.

The major also requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination in the major field will be required in the final term of the senior year.

### LOWER DIVISION

#### 100. Introduction to Political Science

The study of the nature of politics, governmental institutions, and theories about government.

#### 102. American Government

A study of the political structure and institutions of the American governmental system. This course will satisfy the requirement for proficiency in the United States Constitution and in California state and local government.

### UPPER DIVISION

#### 300. Comparative Government I

A study of the major governments of Western Europe, the Commonwealth, and the Western Hemisphere.

#### 304. Comparative Government II

A study of the major governments of the Communist bloc and of Asia, Africa, and the Middle East.

#### 310. History of Political Theory I

A study of the political ideas from the time of the Greeks to the rise of the sovereign state in the 16th century, and the ideas of Thomas Hobbes.

#### 312. History of Political Theory II

A study of the major political ideas from Hobbes to the present, emphasizing the European theorists.

#### 314. American Political Thought

A study of the development of political ideas in America from colonial times to the present.

#### 320. The Legislative Process

A study of the law-making process at the state and national level.

#### 324. Politics and Public Opinion

A study of the relations between government and the opinions of groups and individuals, including the roles of the press, propaganda, and lobbying.

#### 326. Parties and Elections

A study of the structure, operation, and control of the American political parties and their role in the selection of state and national leaders.

#### 330. State and Local Government

A study of the position of state and local governments in the American federal system and of the organization, power, and functions of these governments.

**400. International Politics**

A study of the principles and practices of international politics as developed within the nation-state system and applied to current problems.

**410. American Constitution**

A study of the principles of the American Constitution and the nature of the federal system.

**420. Public Administration**

A study of the nature, scope, and development of the American administrative system.

**500. International Law**

A study of the historical basis and present trends in the development of international law.

**510. International Organization**

A study of the historical context, basic structure, internal dynamics, and international role of the United Nations and other international organizations; and of the nature of conference diplomacy; and of the theoretical problems of world order.

**520. The Soviet System**

A study of Communist political theory in its Russian setting and of the development, operation, and structure of the contemporary Soviet system.

**550. The Metropolitan Region**

A study of the problems of the rapidly emerging metropolitan regions, the practices and principles which have been developed, and the needs of the future.

**560. Political Behavior**

Approaches to the study of politics emphasizing the use of quantitative methods of the social sciences.

**570. The National Government and the National Economy**

A study of the interaction of political and economic powers illustrated through a review of major contemporary issues and activities in national affairs.

**590. Seminar in International Relations**

An intensive study of some phase of international politics, law, or organization to be developed by the instructor with his class.

**592. Seminar in Government**

An intensive study of some phase of government to be developed by the instructor with his class.



## Psychology

A major in Psychology may be chosen by freshmen only, in 1966-67. Students making this selection will enroll in General Studies courses during their freshman year and be advised by the Social Science Division.

The major in Psychology requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination will be required in the final term of the senior year.

### LOWER DIVISION

#### **100. Introduction to Psychology**

A study of the concepts, theories, methods, and principles of the field of Psychology. This course meets the State Code requirement in Psychology.

#### **102. Introduction to Personality**

A description and analysis of the major theories of personality.

### UPPER DIVISION

#### **420. Abnormal Psychology**

An introduction to psychopathology with considerations of the major conceptions of the nature of mental disease.

## Sociology and Anthropology

Requirements for the major in Sociology: A minimum of ten courses in Sociology, eight of which shall be in the upper division. All majors are required to take Sociology 500 and 510.

The major also requires a minimum of three full-term courses in a foreign language, or equivalent proficiency.

A comprehensive examination covering the major field of study will be required in the final term of the senior year.

### **SOCIOLOGY—LOWER DIVISION**

#### **100. The Study of Society**

An introduction to the basic characteristics and dynamics of society, culture, and personality as related to man's group behavior.

#### **200. Social Problems**

A study of the nature and extent of the problems of present day society related primarily to family, community, and other institutions in America.

### **SOCIOLOGY—UPPER DIVISION**

#### **340. Sociology of the Family**

A systematic and comparative analysis of family structure and change: marriage, reproduction, child-rearing, marital problems.

#### **350. Criminology**

A study of the causes of crime with emphasis on sociological factors.

#### **360. Social Psychology**

A study of interpersonal relations and communication with special reference to development of self, role behavior, attitudes, values, and social norms.

#### **380. Sociology of Religion**

Religion as a social institution in primitive and folk culture and in contemporary modern society.

#### **400. Social Change**

A study of the nature of the processes of social change, revolutionary and evolutionary, and of contemporary theories of social change.

#### **410. Racial and Cultural Minorities**

A study of the minority group status in contemporary American society.

#### **420. Population Problems**

A study of the social causes and consequences of population trends.

#### **430. Urban Sociology**

A study of the nature, causes, and consequences of urbanization; metropolitan areas; location and types of cities; social and demographic characteristics of urban populations.

#### **440. Social Stratification**

Class, caste, and other systems of social stratification with particular reference to the United States.

**500. Sociological Research and Analysis**

Principles of research design, methods of data collection and analysis. Prerequisite: Mathematics 150.

**510. History of Sociological Theory**

**520. Comparative Sociology**

A study of a selected number of aspects of the social structure of a major non-Western region. May be repeated for credit.

**590. Seminar in Sociology**

An intensive study of some phase of sociology to be developed by the instructor with his class. *(May be repeated for Credit)*

**ANTHROPOLOGY—LOWER DIVISION**

**100. Introduction to Anthropology**

An introductory study of fossil men and of primitive cultures, with analysis of the methods of inquiry and the current status of the field.

**200. Cultural Anthropology**

A study of the basic concepts and theories; economic life, kinship systems, political organization, art, religion, and magic among non-literate people.

# Spanish

Requirements for the major: The minimum requirement for a major consists of the following twelve courses, or their equivalent, and four related courses chosen in consultation with the major advisor.

A comprehensive examination covering the major field of study will be required at the end of the senior year.

## LOWER DIVISION

### 101. Elementary Spanish

Pronunciation, grammar, reading, and conversation.

### 102. Elementary Spanish

Continuation of Spanish 101.

### 103. Intermediate Spanish

Grammar, composition, and conversation; discussion in Spanish of literary texts. Prerequisite: Spanish 102 or equivalent.

### 104. Intermediate Spanish

Continuation of Spanish 103.

## UPPER DIVISION

### 301. Advanced Spanish **I**

Grammar, composition, conversation; introduction to literary genres; survey of the growth and development of Spanish civilization. Prerequisite: Spanish 104 or equivalent.

### 302. Advanced Spanish **II**

Continuation of Spanish 301. Prerequisite: Spanish 301 or equivalent.

### 303. Survey of Spanish Literature

A survey of Spanish Literature from the twelfth century to Cervantes. Prerequisite: Spanish 104 or equivalent, and the ability to understand spoken Spanish.

### 304. Survey of Spanish Literature

A survey of Spanish literature from Cervantes to the death of Calderon. Prerequisite: Spanish 104 or equivalent, and the ability to understand spoken Spanish.

### 305. Modern Spanish Literature

Modern Spanish Literature from 1700 to the period of Romanticism. Prerequisite: Spanish 104 or equivalent, and the ability to understand spoken Spanish.

### 306. Modern Spanish Literature

Modern Spanish Literature from second half of the nineteenth century to the present. Prerequisite: Spanish 104 or equivalent, and the ability to understand spoken Spanish.

### 307. Spanish-American Literature

Spanish-American Literature from the time of the Spanish Conquest to the end of the nineteenth century. Prerequisite: Spanish 104 or equivalent, and the ability to understand spoken Spanish.

### 308. Spanish-American Literature

Spanish-American Literature from Modernismo to the present. Prerequisite: Spanish 104 or equivalent, and the ability to understand spoken Spanish.

## Teacher Education

Teacher Education at The California State College at San Bernardino emphasizes strong preparation in subject-matter fields.

The program will permit students to complete certification requirements for the elementary or secondary credential in a limited number of fields at the end of their fifth college year. Students should consult the Department of Teacher Education for information on requirements and the program of courses most suited to their interests and objectives. Students who satisfy teacher education requirements will be recommended by the College for certification.

### COURSES OFFERED BY THE DEPARTMENT OF TEACHER EDUCATION

**325. Social Foundations of Education**

**330. Educational Psychology**

**335. The Teaching of Reading**

**340. Elementary School Teaching Methods I**

**341. Elementary School Teaching Methods II**

**350. Student Teaching I**

**351. Student Teaching II**

**352. Seminar on Elementary Education**

**353. Seminar on Secondary Education**

The following courses are offered in other departments in the College. Students should consult the course announcements of those departments for complete descriptions.

**Philosophy 320. Philosophy of Education**

**English 499. The Teaching of English in the Secondary School**

**History 499. The Teaching of Social Science in the Secondary School**

## UNDERGRADUATE PREPARATION FOR PROFESSIONAL SCHOOLS

The plan of undergraduate study at The California State College at San Bernardino emphasizes a liberal education in preparing for professional or vocational specialization. A regular program of studies in one of the established major fields is recommended as the best preparation for later professional training.

Programs can be suited to students' individual needs in selecting courses which are specified by many professional schools as a basis for graduate study.

Some fields of professional training are listed below. Students interested in any of them should seek information and advisement from the division office indicated. In all cases students are expected to fulfill the general degree requirements of the College.

Business Administration .....	Social Sciences Division
Engineering .....	Natural Sciences Division
Government Service .....	Social Sciences Division
Journalism and Writing .....	Humanities Division
Law .....	Social Sciences Division
Librarianship .....	College Librarian
Medicine, Dentistry .....	Natural Sciences Division
Music .....	Humanities Division
Personnel Work .....	Social Sciences Division
Social Work .....	Social Sciences Division



## INTERNATIONAL PROGRAMS

The California State Colleges offer academic year program of study at a number of distinguished universities abroad. For 1965-66 the cooperating universities were: University of Aix-Marseille, France; Free University of Berlin and University of Heidelberg, Germany; Waseda University, Tokyo, Japan; University of Granada and University of Madrid, Spain; University of Stockholm and University of Uppsala, Sweden; National University, Taiwan. Academic work successfully completed at the cooperating universities abroad may be applied toward the degree requirements of the College in accordance with college regulations.

A selection among applicants from all California State Colleges is made on the basis of academic, linguistic and personal qualifications. The criteria are:

- a) Upper division or graduate standing by the beginning of the academic year abroad;
- b) Academic achievement;
- c) Proficiency in the language of instruction;
- d) Faculty recommendations.

Cost to the student includes round trip transportation from San Francisco to the host university, room and board for the academic year, and medical insurance. In 1966-67 these costs will be: France, Germany, Spain, Japan: \$1,870; Sweden, \$2,070; Taiwan, \$1,370; Italy, \$1,970. Payments may be scheduled throughout the year.

Programs in Japan, Sweden and Taiwan do not require previous linguistic preparation; applicants for all other programs must demonstrate adequate facility in the language of instruction at the host university.

Application for the 1967-68 academic year should be made early in the Fall semester of 1966. Detailed information may be obtained at the Office of the Dean of Students, or by writing to the Office of International Programs, The California State Colleges, 1600 Holloway Avenue, San Francisco, Calif. 94132.

## **STUDENT SERVICES**

## **COUNSELING**

Students seeking professional assistance in educational, vocational, or personal matters may consult the Counseling Office.

Psychological tests and inventories designed to increase self understanding and assist in educational and vocational planning are administered and interpreted in this office.

## **HOUSING**

Rental listings for rooms, apartments and houses are maintained in the Office of the Associate Dean, Activities and Housing. These listings are not inspected, approved, or supervised by the College.

## **PLACEMENT**

Assistance in obtaining part-time, summer, and full-time employment is available through the Office of the Director, Placement. The College Work-Study Program and the Student Assistant Program provide employment opportunities on the campus. A listing of off-campus jobs also is maintained.

## **STUDENT ACTIVITIES**

The Associate Dean, Activities and Housing, assists faculty and students in the development and operation of the college-wide student government association and special interest organizations and activities.

## **CAFETERIA**

The campus coffee shop serves light meals and refreshments prepared daily for students and staff.

## **BOOKSTORE**

Students will be able to purchase or order books and supplies needed for classes from the on-campus bookstore, owned and operated by the College Foundation. The bookstore is a non-profit operation, with any proceeds being used to further the educational aims of the College.

## **FINANCIAL AID**

Information concerning sources of financial assistance and application forms can be obtained in the Office of the Director, Placement and Financial Aid. Sources of assistance include scholarships, Educational Opportunity Grants, National Defense Student Loans, the Guaranteed Loan Program, Student Emergency Loans, and earnings from part-time employment under the Work-Study and Student Assistant Programs.

Applicants for financial aid are required to submit the financial need analysis obtained through the College Scholarship Service. Appropriate information and forms can be obtained from your high school or college counselor.

Applications for scholarships and Educational Opportunity Grants must be completed by April 1. Recipients of the awards will be notified about April 15. Applications for student loans and for the College Work-Study Program should be completed by July 15.

## VETERANS AND VETERANS' DEPENDENTS

Students eligible for educational benefits under either the Federal or the State of California veterans programs should obtain a certificate of eligibility from the nearest Veterans Affairs Office well in advance of enrollment. At the time of registration the student must present the certificate of eligibility at the Office of Admissions and Records. On the last day of each month the student must visit this office to sign the Monthly Certification of Training Form.

## STUDENT HEALTH CENTER

The purpose of the Student Health Center is to maintain a state of optimum health, both physical and emotional, and to educate each student in the proper attitudes and habits of personal and community health. Services include health examination follow-up, credential, and referral (after the initial physical is completed by private physician) health counseling, first-aid, emergency care, and treatment normally administered in a physician's office.

Upon registration in two or more regular courses (physical education excepted) students are automatically insured under a modest basic health and accident policy, which covers on or off-campus emergencies, ambulance fees up to \$25.00, limited X-ray and lab services by referral through the Student Health Center, and care and treatment normally administered in a physician's office.

All students are eligible to purchase a voluntary, medical-hospital insurance that provides much broader coverage than the basic plan.

For additional information and assistance, consult the Student Health Center where a Registered Nurse is in attendance. Appointments with the college physician are also available through this office.

## GRADE REPORTS TO STUDENTS

A report of the final grade assigned in classes is sent to each student at the end of each term.

## TRANSCRIPTS

Upon request to the college Office of Admissions and Records, each student will be provided with one official copy of his college record without charge. A charge of \$1.00 will be made for each additional transcript requested by the student. No transcript will be supplied for college work taken in other institutions.

## The Faculty 1966-67

- John M. Pfau (1962) ..... President; Professor of History  
A.B. (1947), A.M. (1948), Ph.D. (1951), The University of Chicago.
- George McMichael (1962) ..... Dean of Faculty; Proefssor of English  
B.S. (1950), M.A. (1955), Ph.D. (1959), Northwestern University.
- Ronald Edgar Barnes, Jr. (1965) ..... Associate Professor of Drama  
B.S.Ed. (1951), University of Minnesota; Ph.D. (1963), Stanford University.
- Jeanette Bernthaler (1965) ..... Librarian II  
B.A. (1962), University of Redlands; M.A.L.S. (1963), University of Southern California.
- Mary Ann Cisar (1965) ..... Assistant Professor of Political Science  
B.A. (1959), M.A. (1962), Ph.D. (1965), Ohio State University.
- Standley William Claussen (1966) ..... Assistant Professor of History  
B.A. (1956), M.A. (1960), University of California, Los Angeles; Ph.D. (1966), University of California, Riverside.
- Charles H. Clifton (1966) ..... Assistant Professor of English  
B.A. (1960), State University of Iowa.
- James Davidson Crum (1966) ..... Associate Professor of Chemistry  
B.S. (1952), Ohio State University; M.S. (1953), Marshall University; Ph.D. (1958), Ohio State University.
- Rene F. Dennemeyer (1966) ..... Professor of Mathematics  
A.B. (1948), M.A. (1949), Ph.D. (1956), University of California, Los Angeles.
- Russell J. DeRemer (1966) ..... Assistant Professor of Physics  
A.B. (1961), Occidental College; M.S. (1963), Ph.D. (1965), Indiana University.
- Alfred S. Egge (1966) ..... Associate Professor of Biology  
B.A. (1957), Long Beach State College; M.S. (1959), Ph.D. (1962), University of Arizona.
- Bruce Golden (1965) ..... Assistant Professor of English  
B.S. (1955), Northwestern University; M.A. (1958), Ph.D. (1966), Columbia University.
- Robert T. Goss (1966) ..... Instructor in German  
B.A. (1961), M.A. (1965), University of California, Los Angeles.
- Rita D. Haberlin (1966) ..... Lecturer in Geography  
B.A. (1960), M.A. (1963), University of Oxford.
- John E. Hafstrom (1965) ..... Professor of Mathematics  
B.S. (1936), North Dakota State University; M.A. (1949), Ph.D. (1954), University of Minnesota.
- Robert R. Harrison (1965) ..... Professor of Art  
B.F.A. (1941), Wayne University; M.A. (1942), Ph.D. (1957), State University of Iowa.
- Jesse Hiraoka (1965) ..... Professor of French  
B.A. (1950), Roosevelt University; M.A. (1955), University of Chicago; Ph.D. (1962), Northwestern University.
- Dennis Ikenberry (1965) ..... Assistant Professor of Physics  
B.A. (1961), Occidental College; M.A. (1965), Ph.D. (1965), University of California, Riverside.



- Jack J. Jernigan (1965) ..... Associate Professor of English  
B.A. (1948), Mississippi College; M.A. (1949), University of Mississippi; Ph.D. (1955), Vanderbilt University.
- Jorun B. Johns (1965) ..... Assistant Professor of German  
Ph.D. (1956), University of Vienna.
- Paul J. Johnson (1966) ..... Assistant Professor of Philosophy  
A.B. (1961), University of Chicago; M.A. (1963), Johns Hopkins University.
- Lee H. Kalbus (1965) ..... Associate Professor of Chemistry  
B.S.Ed. (1950), Wisconsin State University; Ph.D. (1954), University of Wisconsin.
- Leo Kreter (1965) ..... Associate Professor of Music  
B.A. (1955), Carleton College; M.A. (1957), D.M.A. (1960), Cornell University.
- Barbara K. Leiseth (1965) ..... Lecturer in English  
B.A. (1962), Willamette University; M.A. (1964), University of California, Riverside.
- Carmine Rocco Linsalata (1965) ..... Professor of Romance Languages  
B.A. (1938), M.A. (1941), Ohio State University; Ph.D. (1949), University of Texas.
- Ward M. McAfee (1965) ..... Assistant Professor of History  
A.B. (1961), M.A. (1962), Ph.D. (1965), Stanford University.
- Donald E. McLeod (1966) ..... Assistant Professor of Mathematics  
B.A. (1962), M.A. (1963), University of California, Riverside.
- Peter T. Marcy (1965) ..... Assistant Professor of History  
and Associate Dean, Academic Administration  
A.B. (1959), Hamilton College; M.A. (1960), Ph.D. (1965), Claremont Graduate School.
- Arthur Nelson (1963) ..... College Librarian  
B.A. (1950), St. Thomas College; M.A. (1951), M.A. (L.S.) (1956), University of Minnesota.
- C. Michael O'Gara (1964) ..... Professor of Physical Education  
B.S. (1944), M.S. (1952), University of California, Los Angeles.
- Robert B. Olafson (1965) ..... Assistant Professor of English  
B.A. (1956), Pacific Lutheran University; M.A. (1958), Ph.D. (1966), University of Washington.
- Fernando Penalosa (1965) ..... Professor of Sociology  
A.B. (1949), A.M. (1950), University of Denver; Ph.D. (1956), University of Chicago; A.M. (1959), Ph.D. (1963), University of Southern California.
- Stuart M. Persell (1967) ..... Assistant Professor of History  
B.A. (1962), University of California, Santa Barbara; M.A. (1963), Stanford University.
- Ralph Petrucci (1964) ..... Professor of Chemistry  
B.S. (1950), Union College; Ph.D. (1954), University of Wisconsin.
- Phillip Present (1966) ..... Assistant Professor of Political Science  
B.A. (1961), Principia College; M.A. (1962), University of California, Los Angeles.



- Robert R. Roberts (1963) ..... Professor of History and Chairman, Division  
of Social Sciences  
A.B. (1942), Whitman College; M.A. (1947), Ph.D. (1952), University of  
Chicago.
- Robert H. Ross (1965) ..... Professor of English and Chairman, Division  
of Humanities  
A.B. (1938), Dartmouth College; M.A. (1940), Columbia University; Ph.D.  
(1958), Ohio State University.
- Hortensia Sandoval (1965) ..... Lecturer in Spanish  
B.A. (1960), Texas Western College.
- Gerald M. Scherba (1962) ..... Professor of Biology and Chairman, Division  
of Natural Sciences  
B.S. (1950), M.S. (1952), Ph.D. (1955), University of Chicago.
- James E. Segesta (1963) ..... Librarian III  
B.A. (1956), University of Michigan; M.S.L.S. (1959), University of Southern  
California.
- Clarence Francis Shutts (1965) ..... Associate Professor of Biology  
B.S. (1950), Arizona State College; M.A. (1951), Claremont Graduate School;  
Ph.D. (1959), Indiana University.
- Charles H. Slaughter (1966) ..... Associate Professor of Education  
A.B. (1954), San Diego State College; M.A. (1958), D.Ed. (1964), Stanford Uni-  
versity.
- Robert A. Smith (1965) ..... Professor of History  
B.Ed. (1941), Southern Illinois University; M.A. (1946), Ph.D. (1950), University  
of Illinois.
- Lawrence E. Sneden II (1966) ..... Assistant Professor of Sociology  
B.A. (1960), M.A. (1963), Michigan State University; M.A. (1963), University  
of Helsinki.
- Power B. Sogo (1966) ..... Associate Professor of Physics  
A.B. (1950), San Diego State College; Ph.D. (1955), University of California,  
Berkeley.
- Alexander Sokoloff (1965) ..... Professor of Biology  
A.B. (1948), University of California, Los Angeles; Ph.D. (1954), University  
of Chicago.
- Richard K. Stensgaard (1966) ..... Assistant Professor of English  
B.S. (1962), University of California, Los Angeles; M. S. (1960), University of  
Southern California; Ph.D. (1964), University of California, Los Angeles.
- Dale Swire (1966) ..... Associate Professor of Physical Education  
B.A. (1957), M.A. (1961), San Jose State College.
- Leslie E. Van Marter (1965) ..... Associate Professor of Philosophy  
A.B. (1953), Manhattan College; A.M. (1954), Ph.D. (1964), University of  
Chicago.
- Robert L. West (1966) ..... Professor of Education and Chairman, Department  
of Education  
B.A. (1948), Willamette University; M.A. (1949), Ed.D. (1955), Stanford  
University.
- Edward M. White (1965) ..... Associate Professor of English  
B.A. (1955), New York University; M.A. (1956), Ph.D. (1960), Harvard  
University.



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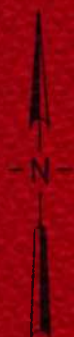
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